Audubon Field Notes

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55th CHRISTMAS BIRD COUNT

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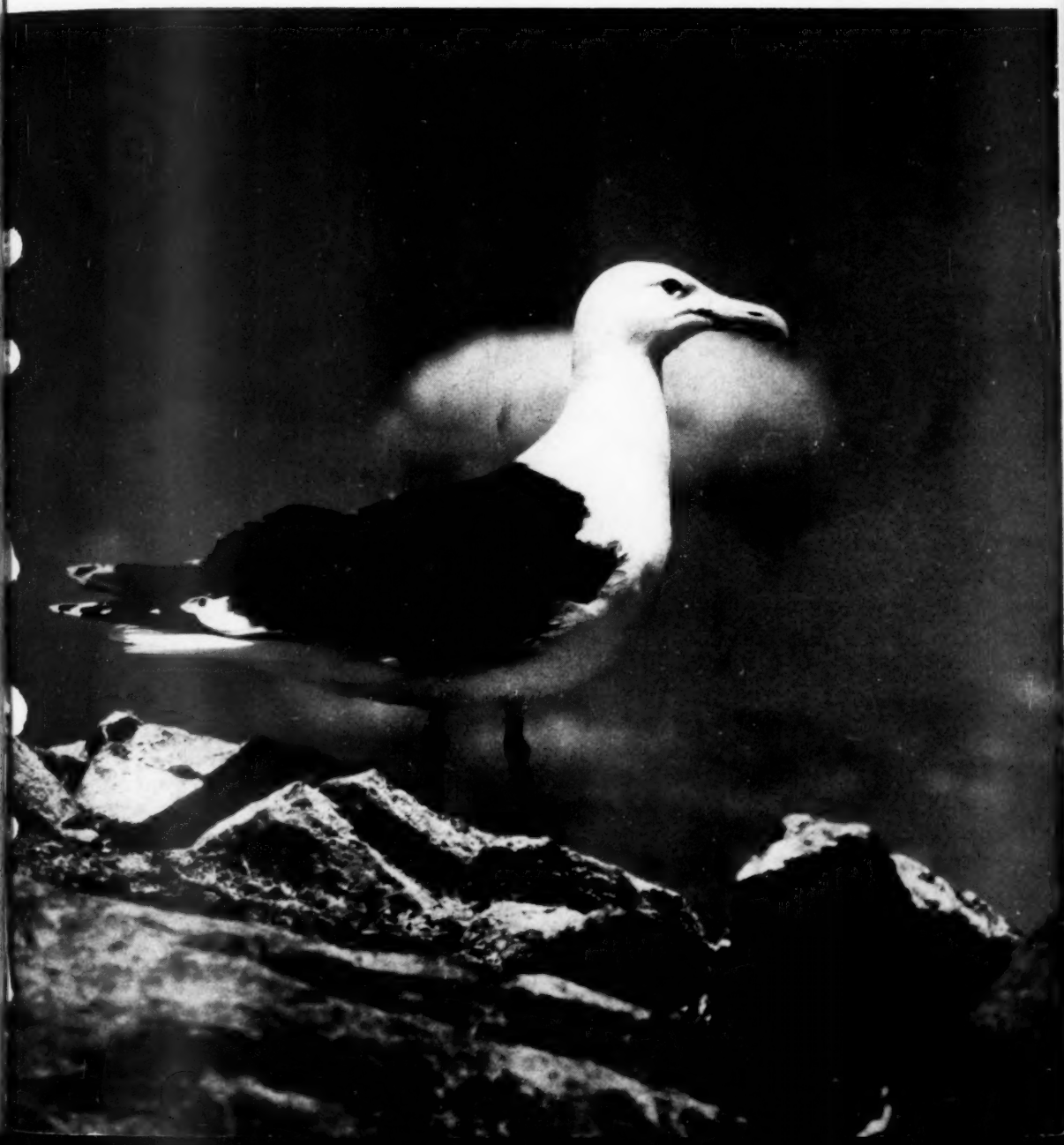

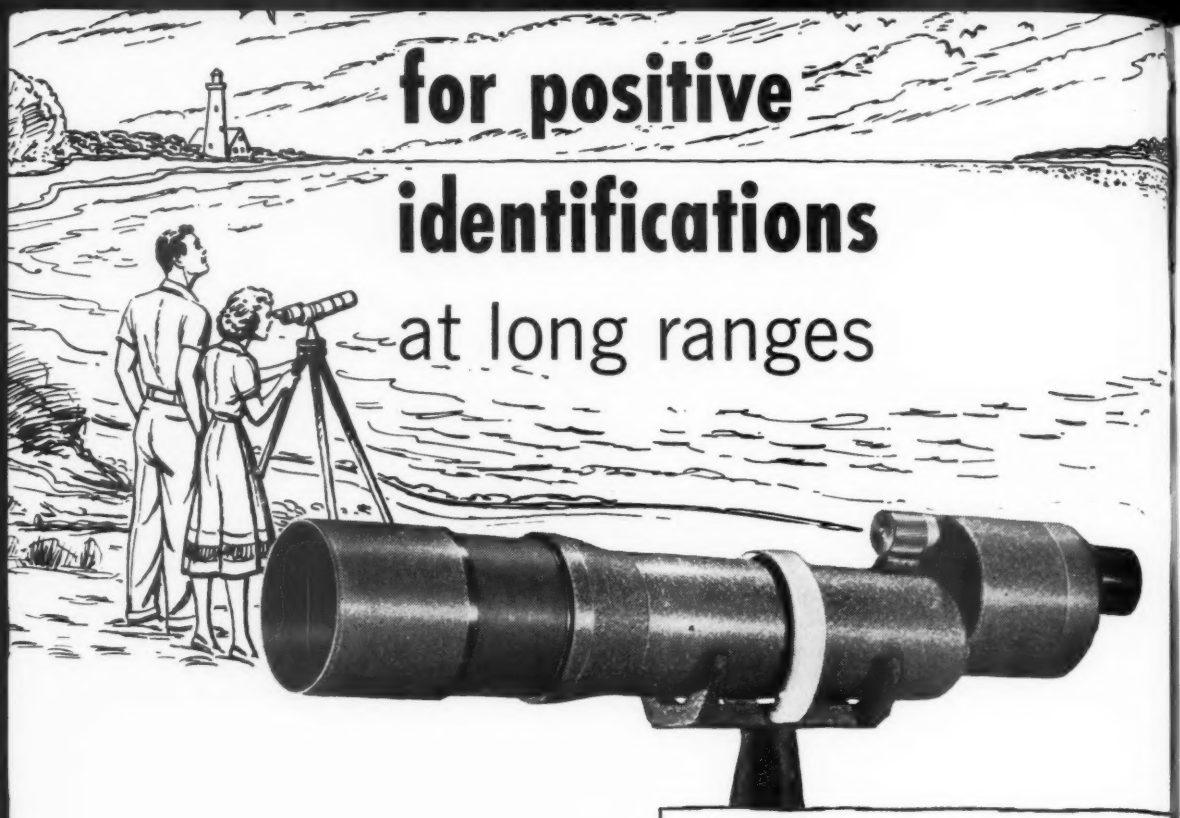

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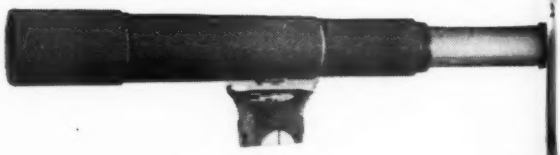

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Audubon FIELD NOTES

Vol. 9, No. 2

PUBLISHED BY THE NATIONAL AUDUBON SOCIETY

In Collaboration With the United States Fish and Wildlife Service

A bimonthly magazine devoted to reporting the distribution, migration and abundance of birds

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Cover Photograph of Great Black-backed Gull by Allan D. Cruickshank

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Fifty-fifth Christmas Bird Count

Edited by Allan Cruickshank

FOR THIRTY-EIGHT YEARS reports of the Christmas Bird Censuses, as they were first called, were published merely as a section of the January-February issue of *Bird-Lore*. They required so few pages that articles, field reports, reviews, and accounts of Audubon activities often occupied more than one half of the entire publication. But the increasing number of observers submitting a greater number of censuses, many with steadily lengthening lists due chiefly to more thorough coverage and greater experience, made it advisable to publish the 39th through 46th censuses under separate cover as supplements to *Bird-Lore*, and later *Audubon Magazine*. In the 1942 supplement the census was renamed the Christmas Bird Count. Finally, in 1947 it filled the entire March issue of the newly created publication, *Audubon Field Notes*.

Twenty years ago 170 counts produced only 5 lists of 100 or more species. Ten years later 282 yielded but 6 over 100. In contrast, the current 516 reports offered 44 lists above the 100 mark! This year San Diego, Calif., won top honors with 175 species —the largest list ever produced on a Christmas Bird Count in the United States. This was accomplished not only because of the blessing of an area of rich bird potential, but also, because forty-three competent observers, well-organized, followed carefully-laid plans. In addition, "a great deal of field work was carried out in spotting birds and scouting territories as far in advance as mid-November."

The following areas reported 150 or more species:

San Diego, Calif.	175
Cocoa, Fla.	167
Wilmington, N. C.	163
Sabine National Wildlife Refuge, La.	156
Laguna Atascosa National Wildlife Refuge, Tex.	154
Los Angeles, Calif.	154
Cape May, N. J.	151
Ocean City, Md.	150
St. Marks, Fla.	150

At Hamilton, Ontario, another well-organized group led all the Canadian counts with 67 species. Cape Cod, with 117, topped New England. Seven groups around the greater New York City Region listed 100 or more—a feat that would have been considered impossible two decades ago.

Reelfoot Lake, Tenn., with 5,108,040 individuals led all others for the greatest number of birds seen. Norfolk County, Va., came second with 2,003,425, and Laguna Atascosa National Wildlife Refuge, Tex., third with 1,157,371.

A statistician could produce volumes about the 55th Christmas Bird Count. Lack of space forces the editor to mention but a few interesting items. Strangely enough, only one count in the Northeast (Newport County, R. I.—Westport, Mass.) mentioned detrimental effects from the three hurricanes that blasted that area in early autumn. Thirteen counts in the sub-freezing northeastern United States and southeastern Canada reported 16 Baltimore Orioles.

Olive-backed Thrushes were studied carefully by 2 different groups in New York, and the astonishing total of 4 was seen around Charleston, W. Va. Two lists from Nova Scotia produced a total of 136 Brown-headed Cowbirds; and 15 counts from New England reported 616 individuals of the some species. Loggerhead Shrikes, too, lingered in the Northeast much later than usual. One was reported from Ontario; 12 from New England; 7 from Long Island. Reports that the Great Black-backed Gull is steadily extending its winter range southward were substantiated by a count of 44 from Back Bay National Wildlife Refuge, Va.; and 1 as far south as Cocoa, Fla. The widespread heavy movement of Black-capped Chickadees, evident in the Northeast by mid-autumn, carried quantities far south of their normal range. In many areas this deluge surpassed any previous flight on record and produced numerous detailed reports from lowland areas in Maryland, Virginia, Ohio, and Indiana.

Red-breasted Nuthatches presented a puzzling picture. Numbers were reported normal in some areas, exceptionally abundant in others. At Schenectady, N. Y., 60 were seen in a single compact flock! Some migrated into the deep South with reports from New Orleans and the Sabine National Wildlife Refuge in Louisiana; from Pensacola, Panacea, and Tallahassee in Florida. Key West listed 4 Scissor-tailed Flycatchers and 6 Western Kingbirds. A happy addition this year was the count from Fort Jefferson National

Monument on the Dry Tortugas off the southwestern tip of the Florida Keys. This unique area produced 2 Blue-faced and 8 White-bellied Boobies. Glaucous Gulls seemed far out of place inland at Great Falls, Mont. and Jefferson County, Colo. A remarkable number of Black-chinned Hummingbirds was reported as being present throughout December at widely scattered points in the southern half of California. An analysis of Common Starlings reported in our 3 Pacific coast states indicates 3 in Washington; 11,728 in Oregon; 281 in California.

The following species generally considered as belonging to Old World avifauna apparently reached this country under their own power:

European Widgeon			
Mass.	2	N. C.	1
N. Y.	6	Oreg.	1
N. J.	2	Calif.	1
European Teal			
N. Y.	1	Md.	1
Black-headed Gull			
Mass.	1	N. Y.	4
Little Gull			
N. Y.	2	Ind.	2
Ruff			
Pa.	1		

Sufficient correspondence was received to indicate that thousands of observers derive great pleasure from the Christmas Bird Count. Many enthusiasts included notes which called it "the best sport of the year," "the birding highlight for the entire 12 months," "the activity that stimulates our club more than any other." This, indeed, is gratifying for one of the main objectives of the National Audubon Society in sponsoring Christmas Bird Counts is to stimulate more interest in birds, and through birds, in conservation of natural resources. Those who direct *Audubon Field Notes,* however, are convinced that the Count's contribution to our ornithological knowledge is equally important. To satisfactorily maintain this latter function the editor must be permitted a healthy amount of scientific skepticism. If unsubstantiated reports of Wood Pewees in Pennsylvania, Olive-sided Flycatchers in California, or Least Flycatchers in Ohio were accepted without question, the Count soon would lose all scientific value. It not only would become a scientific folly, but would lose the interest of the great majority of participants. Fortunately, most compilers understand this and attach pages to their reports with generous details about all unusual observations. Significantly, nationally-known field identification experts, the last one would think of questioning, are the ones who generally presented the most careful information. For excellent details concerning current counts I particularly wish to thank Harrison F. Lewis of Nova Scotia, Edward Whelen of New York, Ernest Choate, David Cutler and Herbert Cutler of Pennsylvania, Chandler S. Robbins of Maryland, Mrs. Cecil Appleberry of North Carolina, Louis Stimson of Florida, Raymond Grow of Indiana, Mrs. R. A. Walker of Wisconsin, Noel Pettingell of Texas, John Chapin of Colorado, Laidlaw Williams, E. C. Trowbridge and Burt L. Monroe, Jr., of California.

Every sport, competition, or project is conducted within the framework of preestablished rules and all participants must conform or be eliminated. Unfortunately, many counts had to be rejected because those conducting them ignored the Count's basic regulations. Some exceeded the 15-mile diameter circle; some were taken before or after the official count period; some overlapped neighboring count areas; some did not send their reports to Audubon House before the announced deadline; several were afield less than the prescribed 7 hours, others scribbled reports that were illegible; a few ignored the printed forms and presented lists with their preferred nomenclature and incorrect check-list order. Apparently some failed to read the instructions stating "this form will be used by the printer so please do a neat and careful job." With the increasing number of reports submitted it is imperative that the editor be more strict. Imagine yourself as editor and confronted with over 600 counts. Try to keep in mind that the printer knows nothing about birds and cannot interpret such words as Spotty, Chippy or even Carolina Rail. *For him the printed report forms are indispensable.* The increasing volume of work forces the editor to state that next year he will not recopy individual lists on to the required form and, therefore, not submit them to the printer. For the 8 compilers (out of 582) who sent in lists in their preferred style and complained about the official form, let it be known that all but one of the 50 largest, most detailed lists were presented neatly on our official forms. The majority of compilers included an additional sheet with their count, mentioning desired insertions. The lined section at the end of the report form is meant only for (1) birds not seen on census day but during official count period, (2) names of all participants, including those watching feeding stations, *listed alphabetically.*

In spite of numerous problems and seemingly endless paper work, the editor had an enjoyable, interesting and informative time assembling this issue. How could one fail to be amused by the humor of the practical compiler from New Jersey who, in presenting habitats, lumped together as similar "garbage dumps and cemeteries 2%," or by the complaining compiler who wrote "it rained all day and the ground was wet," or by the thoughtless compiler of a rejected count who went afield alone in 2 parties, covered habitats totaling 145%, and listed such items as "Buffle-head 12±12"!

We appreciate the $596.95 voluntarily contributed by participants of the 55th Christmas Bird Count to help defray the cost of publication. Because of skyrocketing printing costs and an ever mounting annual deficit, those who direct *Audubon Field Notes* find it necessary to state that from now on every observer will be required to pay an entry fee for each count in which he participates. It will be the compiler's responsibility to include the prescribed fee from each participant listed as helping in his count. A revised set of regulations for Christmas Bird Counts is being formulated and will be published in *Audubon Field Notes* before the next count period. At that time the amount of the entry fee will be stated.

1. **Hawaii National Park (Kilauea Section), Hawaii** (7½-mile radius centering ¼ mile south of Park Headquarters, including Hilina Pali road, Napau Crater trail to pulu factory, Twin Craters, golf course, Nobriga Ranch road, Bird Park, Mauna Loa truck trail to 5500 ft. elev.; wet ohia-fern forest [some with koa] 40%, dry koa-mamane forest [some with ohia and manele] 25%, grassland with scattered brush and ohia groves 35%).—Jan. 1; 6 a.m. to 3 p.m. Cloudy in a.m., moderate rain with fog in p.m.; temp. 50° to 61°; wind N, 5-10 m.p.h. Eleven observers in 5 parties. Total party-hours, 23 (20 on foot, 3 by car); total party-miles, 45 (16 on foot, 29 by car). Hawaiian Hawk, 1; California Quail, 5; Ring-necked Pheasant (including Jap. Blue Pheasant), 12; Am. Golden Plover, 42; Spotted Dove, 15; Skylark, 14; Red-billed Leiothrix, 196; Omao, 2; Elepaio, 39; Mynah, 122; White-eye, 96; Amakihi, 91; **Akiapolaau,** 2; Apapane, 290; Iiwi, 59; Ricebird, 46; House Sparrow, 12; North American Cardinal, 2; House Finch, 69. **Total,** 19 species; 1115 individuals. (Mamane and ohia just beginning to flower having been delayed greatly by autumn drought. This accounts for drastic reduction in nectar feeders in this area over last year.)—Helen Baldwin, Bob Baldwin, Dick Burns, Curt Butler, Grace Gossard, Joseph King, Blanche Pedley, Leilani Pyle, Robert Pyle (compiler), Ruth Rockafellow, George Ruhle.

2. **Honolulu, Hawaii** (7½-mile radius centering 2/5 mi. NNE of Nuuanu Pali, including Ulupau Head, Kuliouou Pond and Aiea Trail; residential and parks 45%, forest trails 28%, wooded roadsides 7%, ponds, beaches and sea cliffs 20%).—Dec. 26; 6 a.m. to 5 p.m. Clear except normal trade-cumulus over mountains; temp. 60° to 81°; wind NE, 12-18 m.p.h. Twenty-one observers in 11 parties. Total party-hours, 52 (42 on foot, 10 by car); total party-miles, 121 (29 on foot, 92 by car). White-tailed Tropic-bird, 2; Red-footed Booby, 880; Brown Booby, 9; Greater Man-o'-war-bird, 21; Black-crowned Night Heron, 3; Am. Widgeon, 2; Pintail, 795; Shoveller, 200; California Quail, 10; Ring-necked Pheasant, 2; Florida Gallinule, 4; Am. Coot, 449; Am. Golden Plover, 396; Black-bellied Plover, 1; Ruddy Turnstone, 196; Wandering Tattler, 17; Sanderling, 30; Black-necked Stilt, 12; Common Noddy, 1; Spotted Dove, 352; Barred Dove, 1033; Short-eared Owl, 1; Red-billed Leiothrix, 83; Shama Thrush, 6; Elepaio, 27; Mynah, 1587; White-eye, 209; Amakihi, 27; Apapane, 33; Ricebird, 281; House Sparrow, 564; North American Cardinal, 115; Brazilian Cardinal, 51; House Finch, 86. **Total,** 34 species; about 7485 individuals.—Irma Botsford, E. H. Bryan, Grace Gossard, Chuck Hanson, Priscilla Harpham, Joseph King, Bernice Kuhns, Louetta Kuhns, Art Nakagami, Mace Norton, Thomas McGuire, John Obata, Suzanne Ohmstede, William Ohmstede, Blanche Pedley, Leilani Pyle, Robert Pyle (compiler), Ruth Rockafellow, Al Stoops, Dorothea Taylor, Ralph Yorsh (Hawaii Audubon Society).

3. **Halifax, Nova Scotia** (7½-mile radius centering at junction of Maynard's Lake and Cole Harbor Road, covering Cole Harbor, Eastern Passage, Bedford Basin, Northwest Arm and Halifax Harbor; city and suburbs 40%, farmland 10%, mixed woodland 30%, water surface 20%).—Jan. 2; 8:30 a.m. to 4:30 p.m. Cloudy; temp. 30° to 34°; wind ENE to ESE, 20 m.p.h.; ground bare and frozen, fresh water 90% frozen, salt water unfrozen. Seven observers in 6 parties. Total party-hours, 52 (6 on foot, 36 by car, 10 at feeding stations); total party-miles, 96 (10 on foot, 86 by car). Am. Golden-eye, 19; Am. Merganser, 25; Iceland Gull, 1; Great Black-backed Gull, 79; Herring Gull, 1924; Dovekie, 1; Belted Kingfisher, 1; Hairy Woodpecker, 3; Downy Woodpecker, 3; Gray Jay, 1; Blue Jay, 22; Common Raven, 2; Am. Crow, 47; Black-capped Chickadee, 28; Brown-capped Chickadee, 2; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 5; Brown Creeper, 1; Golden-crowned Kinglet, 4; Common Starling, 389; House Sparrow, 266; **Baltimore Oriole,** 1 (W.M., R.B.) [no details—Ed.]; **Brown-headed Cowbird,** 78; Evening Grosbeak, 37; Pine Grosbeak, 29; Am. Goldfinch, 15; White-winged Crossbill, 9; Slate-colored Junco, 15; Am. Tree Sparrow, 2; Song Sparrow, 3. **Total,** 30 species; about 3015 individuals.—C. R. K. Allen, Mrs. Rita Backman, Kenneth Beanlands, Mrs. Pearl Courtney, Robert Grey, Willett Mills (compiler), Mrs. Bonnie Roy.

4. **West Middle Sable, Nova Scotia** (Matthews Lake and Hemeon Head to Sable River and ½ mi. N, also Port l'Hebert and Jones Harbour to Sable River; all within 7½ mi. of school in West Middle Sable; mixed woods, largely coniferous 39%, ocean shore 13%, sheltered brackish water 29%, sand beach 9%, scattered rural community 10%).—Dec. 31; 7:30 a.m. to 5:45 p.m. 40% cloudy; temp. 37° to 48°; wind W to NW, 5-15 m.p.h.; no frost, snow or ice. Three observers (2 afield separately, 1 at feeding station). Total party-hours, 17 (12 on foot, 2 by car, 3 by bicycle); total party-miles, 76 (13 on foot, 45 by car, 18 by bicycle). Common Loon, 1; Horned Grebe, 1; European Cormorant, 69; Canada Goose, 1375; Black Duck, 1068; Pintail, 4; Greater Scaup, 600; Am. Golden-eye, 59; Buffle-head, 29; Old-squaw, 1; Common Eider, 10; Am. Merganser, 2; Red-tailed Hawk, 1; Bald Eagle, 1; **Killdeer,** 1 (H.F.L.); Great Black-backed Gull, 71; Herring Gull, 299; Black Guillemot, 2; Gray Jay, 2; Blue Jay, 2; Common Raven, 8; Am. Crow, 41; Black-capped Chickadee, 5; Golden-crowned Kinglet, 5; Common Starling, 19; House Sparrow, 35; **Brown-headed Cowbird,** 58 (all in one flock, both sexes observed under ideal conditions); Pine Grosbeak, 6; Song Sparrow, 1; Snow Bunting, 1. **Total,** 30 species; about 3777 individuals. (Seen in area Dec. 28: Ruffed Grouse, 1; Slate-colored Junco, 1; Dec. 29: Am. Goldfinch, 5; Dec. 30: Gannet, 1; Red-breasted Merganser, 5; Purple Sandpiper, 1; White-throated Sparrow, 1; Jan. 1: Fox Sparrow, 1; Jan. 2: Brown-capped Chickadee, 6; Evening Grosbeak, 29; Common Redpoll, 40.)—Laura N. Lewis, Harrison F. Lewis (compiler), Harold F. Tufts.

5. **Montreal, Que.** (Mount Royal, St. Helen's Island, Nun's Island, St. Lambert, Dorval, Saraguay, Bois Franc, Back River, Montreal North, Thorn Hill,

north shore St. Lawrence River from Mercier Bridge to Victoria Bridge, and south shore from Mercier Bridge to Jacques Cartier Bridge).—Dec. 26; 8:30 a.m. to 4 p.m. Clear; temp. 20° to 32°; wind NE to S, 3-6 m.p.h.; 5-6-in. snow, moderate shore-ice and heavy brash-ice on river. Twenty-five observers in 7 parties. Total party-hours, 40; total party-miles, 120 (29 on foot, 89 by car, 2 by boat). Mallard, 3; Black Duck, 757; scaup (sp.), 1; Am. Golden-eye, 1249; **Buffle-head,** 1; Old-squaw, 2; Am. Merganser, 41; Goshawk, 1; Rough-legged Hawk, 5; Sparrow Hawk, 4; Ruffed Grouse, 2; Ring-necked Pheasant, 15; Great Black-backed Gull, 3; Herring Gull, 34; Ring-billed Gull, 2; Screech Owl, 1; Horned Owl, 3; Snowy Owl, 1; Barred Owl, 1; Long-eared Owl, 1; Short-eared Owl, 2; Hairy Woodpecker, 4; Downy Woodpecker, 7; Horned Lark, 7; Am. Crow, 2; Black-capped Chickadee, 31; White-breasted Nuthatch, 13; Brown Creeper, 4; Golden-crowned Kinglet, 2; Gray Shrike, 2; Common Starling, 1317; House Sparrow, 661; Red-winged Blackbird, 3; Pine Grosbeak, 25; Common Redpoll, 15; Pine Siskin, 6; Am. Goldfinch, 7; Am. Tree Sparrow, 5; Song Sparrow, 2; **Lapland Longspur,** 4; Snow Bunting, 418. **Total,** 41 species; about 4664 individuals. (Seen in area Dec. 29: Am. Robin, 1.)—Audrey Allin, A. Bain, B. Borden, Simone Boyer, J. Brierley, Mrs. H. E. Chalk, J. D. Cleghorn, J. Delafield, P. H. DuBoulay, D. Galvin, G. Hibbard, B. M. Holmes, P. Landry, A. R. Lepingwell, J. Lowther, I. McLaren, G. H. Montgomery, J. Montgomery, I. Rhein-Knudsen, Mrs. P. Roberts, J. W. Robinson, D. Ryan, H. F. Seymour, G. S. Unwin, Mrs. G. S. Unwin (Prov. Que. Soc. for the Protection of Birds).

6. **Quebec, Que.** (same area as in 1953; town suburbs 25%, fields 15%, coniferous forests 5%, deciduous woods 6%, mixed woodlands 29%, shores 20%).—Dec. 29; 7 a.m. to 4:15 p.m. Clear; temp. 10° to 25°; wind NW, 8-12 m.p.h.; 20-24-in. snow on ground, small rivers partly frozen, moving ice-fields on St. Lawrence River. Eleven observers in 5 parties. Total party-hours, 27 (24 on foot, 3 by car); total party-miles, 66 (31 on foot, 35 by car). Scaup (sp.), 1; Ruffed Grouse, 1; Ring-necked Pheasant, 1; **Glaucous Gull,** 1 (F.H.); Iceland Gull, 11; Great Black-backed Gull, 4; Herring Gull, 68; Blue Jay, 4; Am. Crow, 1; Black-capped Chickadee, 33; White-breasted Nuthatch, 1; Gray Shrike, 1; Common Starling, 353; House Sparrow, 294; Evening Grosbeak, 16; Pine Grosbeak, 10; Common Redpoll, 37. **Total,** 17 species; 837 individuals. (Seen in area Dec. 27: Song Sparrow, 1; Brown-capped Chickadee, 1; Downy Woodpecker, 1.)—B. Asselin, R. Cayouette (compiler), C. Délisle, R. Dumais, P. Fiset, P. Germain, F. Hamel, L. Lemieux, R. Lepage, J. Lord, L.-A. Lord (La Société Zoologique de Québec).

7. **Bancroft, Ont.** (same area as last year).—Dec. 26; 8:30 a.m. to 4 p.m. Cloudy with sunny intervals; temp. 18° to 34°; wind light; ground covered with 12-15-in. snow. One observer. Total hours, 7½; total miles, 46 (4 on foot, 42 by car). Goshawk, 1; Hairy Woodpecker, 9; Downy Woodpecker, 9; Blue Jay, 21; Black-capped Chickadee, 67; White-breasted Nuthatch, 6; Gray Shrike, 2; Common Starling, 27; House Sparrow, 2; Common Redpoll, 60; Am. Tree Sparrow, 1; Lapland Longspur, 2; Snow Bunting, 19. **Total,** 13 species; 226 individuals.—Earl V. Stark.

8. **Barrie, Ont.** (7½-mile radius centering on Municipal Building, including Shanty Bay, Little Lake, Midhurst Park, Kempenfeldt Bay, Minet's Point, Tollandal; farmland 50%, reforested area 10%, marsh 5%, shore 10%, town and suburbs 5%, woodlots 20%).—Dec. 29; 8 a.m. to 5 p.m. Clear and sunny in morning, cloudy in afternoon; temp. 19° to 19°; wind E, light; 2-in. icy snow, trees covered with ice in many places, Kempenfeldt Bay and Little Lake open. Twenty observers in 7 parties. Total party-hours, 36 (12 on foot, 24 by car); total party-miles, 141 (22 on foot, 119 by car). Red-necked Grebe, 1; Horned Grebe, 2; Pied-billed Grebe, 2; Greater Scaup, 4; Am. Golden-eye, 13; Hooded Merganser, 1; Am. Merganser, 3; Sparrow Hawk, 1; Ruffed Grouse, 9; Herring Gull, 23; Pileated Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 9; Blue Jay, 60; Am. Crow, 2; Black-capped Chickadee, 103; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 1; Brown Creeper, 1; **Brown Thrasher,** 1; Golden-crowned Kinglet, 8; Gray Shrike, 7; Common Starling, 185; House Sparrow, 112; Evening Grosbeak, 59; Pine Grosbeak, 38; Common Redpoll, 90; Pine Siskin, 25; Am. Goldfinch, 30; Slate-colored Junco, 17; Am. Tree Sparrow, 68; Snow Bunting, 350. **Total,** 32 species; about 1234 individuals. (Seen in area Dec. 28 and 30: Barred Owl; Jan. 1: Kingfisher; Jan. 2: Cardinal.)—Mr. and Mrs. W. A. Bell, Dr. and Mrs. E. G. Bilkey, Mrs. M. Childs, Hugh Currie, Mrs. W. A. Fisher, Bill Hankin, Anastasia Hughes (compiler), Mrs. S. E. Lewis, Bob McFadden, Emma Petch, John Ransom, Harold Richards, Mrs. Jean Sheppard, Reg. F. Smith, Mr. and Mrs. J. L. Westman, Laura Young, Grace Young.

9. **Blenheim (Kent Co.), Ont.** (same area as in other years).—Dec. 27; 8:30 a.m. to 4:30 p.m. Overcast with rain all day, fog over Lake Erie and Rondeau Bay; temp. 35° to 38°; wind SE, 1-3 m.p.h.; Rondeau Bay partially frozen, Erieau harbour open. Twelve observers in 4 parties. Total party-hours, 21 (13 on foot, 8 by car); total party-miles, 105 (27 on foot, 78 by car). Canvas-back, 2; Lesser Scaup, 6; Am. Golden-eye, 1; Am. Merganser, 15; Goshawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Rough-legged Hawk, 6; Marsh Hawk, 1; **Pigeon Hawk,** 1 (H.E.); Bob-white, 4; Ring-necked Pheasant, 1; Herring Gull, 12; Mourning Dove, 44; Screech Owl, 3; Horned Owl, 2; Short-eared Owl, 1; Hairy Woodpecker, 2; Downy Woodpecker, 18; Blue Jay, 2; Am. Crow, 78; Black-capped Chickadee, 71; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 3; Brown Creeper, 1; **Carolina Wren,** 2 (H.B.W., L.B., H.E.); Golden-crowned Kinglet, 12; **Ruby-crowned Kinglet,** 4; Gray Shrike, 1; Common Starling, 1050; House Sparrow, 1285; Red-winged Blackbird, 10; Purple Grackle, 2; Cardinal, 22; Pine Sis-

kin, 3; Am. Goldfinch, 7; Slate-colored Junco, 58; Am. Tree Sparrow, 77; Field Sparrow, 15; Song Sparrow, 1. **Total,** 40 species; about 2830 individuals.—C. M. Anderson, J. A. Begg, R. Blackburn, Dr. L. J. Bohn, Harold English, Hugh Evans, W. M. Gray, Geo. McGarvin, A. M. Ross, Florence Ross, Metro Sass, H. B. Wressell (compiler).

10. Deep River (Renfrew Co.) Ont. (Des Joachims Dam to Centre Lake, Petawawa Experimental Forest and Ottawa River; White Spruce, fir, White Pine woods 60%; Black Spruce, cedar swampland 15%, Jack Pine stands 10%, second-growth aspen 5%, cleared land 5%, river bank 5%).—Jan. 1; 7:30 a.m. to 4:30 p.m. Cloudy; temp. 20° to 25°; wind N, light; ground covered with 18-20-in. powder snow, all lakes frozen, some open water on Ottawa River and creeks. Two observers in 1 party. Total party-hours, 8 (6 on foot, 2 by car); total party-miles, 55 (7 on foot, 48 by car). Common Loon, 4; Am. Merganser, 2; Hairy Woodpecker, 2; Blue Jay, 4; Common Raven, 7; Black-capped Chickadee, 19; Pine Grosbeak, 1; Am. Goldfinch, 2; Snow Bunting, 110. **Total,** 9 species; 52 individuals. (Seen in area recently: Downy Woodpecker, White-breasted Nuthatch, Red-breasted Nuthatch, White-winged Crossbill.)—Norman Eley, Ivan Ophel (compiler).

11. Hamilton, Ont. (same area as former years).—Dec. 26; 7.30 a.m. to 5:30 p.m. Mostly clear; temp. 21° to 46°; wind S to SW, 10-18 m.p.h.; ground bare, marshes frozen, harbor open. Sixty observers in 27 parties. Total party-hours, 133 (123 on foot, 10 by car); total party-miles, 304 (159 on foot, 145 by car). Horned Grebe, 3; Great Blue Heron, 1; Mallard, 161; Black Duck, 83; Redhead, 1; **Canvas-back,** 14; Greater Scaup, 895; Lesser Scaup, 5; Am. Golden-eye, 350; Buffle-head, 16; Old-squaw, 70; **White-winged Scoter,** 107; **Ruddy Duck,** 12; Hooded Merganser, 3; Am. Merganser, 670; **Red-breasted Merganser,** 285; Cooper's Hawk, 2; Red-tailed Hawk, 14; Bald Eagle, 2; Marsh Hawk, 1; **Peregrine Falcon,** 1 (seen by 3 parties); **Sparrow Hawk,** 25; Ruffed Grouse, 5; European Partridge, 5; Ring-necked Pheasant, 41; Am. Coot, 1; **Glaucous Gull,** 6; **Iceland Gull,** 2; **Great Black-backed Gull,** 147; Herring Gull, 12,600; Ring-billed Gull, 80; **Mourning Dove,** 31; Screech Owl, 3; Horned Owl, 7; Long-eared Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 3; **Hairy Woodpecker,** 31; Downy Woodpecker, 50; Blue Jay, 78; Am. Crow, 2; **Black-capped Chickadee,** 521; **Tufted Titmouse,** 1 (at Schneiders' feeding station since Nov. 19); White-breasted Nuthatch, 47; **Red-breasted Nuthatch,** 8; Brown Creeper, 14; Winter Wren, 4; **Mockingbird,** 1 (visiting Miss Malcolm's garden since Nov. 12); Am. Robin, 2; Golden-crowned Kinglet, 19; **Ruby-crowned Kinglet,** 1 (J.C., K.J.C., J.D.); Cedar Waxwing, 7; **Gray Shrike,** 9; Common Starling, 1700; House Sparrow, 1900; Cardinal, 67; Evening Grosbeak, 12; Purple Finch, 25; Pine Grosbeak, 4; Common Redpoll, 2; Pine Siskin, 6; Am. Goldfinch, 115; **White-winged Crossbill,** 15; Slate-colored Junco, 226; Am. Tree Sparrow, 223; Swamp Sparrow, 4; Song Sparrow, 13. **Total,** 67 species; about 20,764 individuals.—Brock Atkinson, W. Edward Benner, Stella Brown, Neil Bourne, Mr. and Mrs. R. D. F. Bourne, Frank W. Buckle, Don Bucknell, Janet Clarkson, James Cole, Kenneth J. Cox, Harold Cunliffe, James A. N. Dowall, Robert O. Elstone, Mrs. Dorothy Falladown, Mrs. J. H. Forbes, Leopold Fucikovsky, Leslie Gray, Ian Halladay, John A. Hencher, Peter F. Henderson, Robert Henry, David Hick, Mr. and Mrs. William R. Holley, Charles Hunter, Angus B. Jackson, Roger Jackson, Herbert E. Kettle, Mr. and Mrs. Leslie Laking, Margaret Lamb, Eleanor Malcolm, Mr. and Mrs. Julius Mannheimer, George O. McMillan, George Meyers, Glen Meyers, Mr. and Mrs. John J. Miller, Mrs. Carl Morden, John W. Moule, Albert B. Nind, George W. North (compiler), Laurel E. North, Jean Plewes, Mr. and Mrs. C. L. Powell, David K. Powell, Robert K. Sargeant, Mrs. Frank Schneider, Edward Stacey, Robert W. Stamp, Laura Stewart, Mr. and Mrs. Gordon Sweatman, Mabel Watson, Mr. and Mrs. M. R. Watters, J. Harvey Williams (Hamilton Nature Club).

12. Kingston, Ont. (7½-mile radius centering on MacDonald Park, including Cataraqui River and Creek, Lake Ontario, St. Lawrence River, Wolfe and adjacent islands; farmland 30%, urban centers 4%, marshes 12%, water 30%, mixed woodlands 24%).—Dec. 26; 8 a.m. to 5 p.m. Mostly clear, some clouds in p.m.; temp. 33° to 35°; wind S, 20 m.p.h.; ground covered with 4-in. snow, small bays, rivers and marshes frozen, large bodies of water open. Sixteen observers in 5 parties. Total party-hours, 34 (25 on foot, 8 by car, 1 in boat); total party-miles, 288 (82 on foot, 200 by car, 6 by boat). Horned Grebe, 1; Mallard, 10; Black Duck, 74; Redhead, 3; Canvas-back, 1; Greater Scaup, 3582; Am. Golden-eye, 235; White-winged Scoter, 1; Am. Merganser, 588; Red-breasted Merganser, 5; Bald Eagle, 5; Marsh Hawk, 3; Sparrow Hawk, 5; Ruffed Grouse, 16; Am. Coot, 4; Glaucous Gull, 2; Great Black-backed Gull, 47; Herring Gull, 824; Ring-billed Gull, 301; Horned Owl, 3; Snowy Owl, 2; Barred Owl, 1; Hairy Woodpecker, 6; Downy Woodpecker, 5; Blue Jay, 6; Am. Crow, 1; Black-capped Chickadee, 94; White-breasted Nuthatch, 7; Am. Robin, 1; Golden-crowned Kinglet, 2; **Cedar Waxwing,** 2; Gray Shrike, 2; Common Starling, 732; House Sparrow, 352; Purple Grackle, 4; Pine Grosbeak, 3; Common Redpoll, 100; Am. Goldfinch, 164; Am. Tree Sparrow, 18; Lapland Longspur, 60; Snow Bunting, 2360. **Total,** 41 species; about 9632 individuals. (Seen in area Dec. 24: Eastern Meadowlark, Evening Grosbeak, Pileated Woodpecker, Winter Wren, Pine Siskin.)—A. E. S. Bell, I. Boardman, J. Cartwright, K. F. Edwards, M. Edwards, A. Hay, A. E. Hyde, I. Hyde, W. G. Lamb, D. C. McIlquham, S. Peters, H. R. Quilliam, J. Shortt, R. B. Stewart (compiler), G. M. Stirrett, A. Strong (Kingston Nature Club).

13. Kirkland Lake, Ont. (7½-mile radius centering on #112 Highway 1 mile north of Dane; fields 20%, towns 5%, coniferous woods 30%, deciduous woods 35%, slimes 5%, cattail marsh 5%).—Dec. 27;

8:30 a.m. to 4:30 p.m. Clear sky; temp. 0° to 6°; wind N, 10 m.p.h.; 12-in. snow on ground, lakes frozen, streams mostly frozen. Eleven observers in 8 parties. Total party-hours, 41 (8½ on foot, 6½ by car, 26 at stations); total party-miles, 75 (17 on foot, 58 by car). Hairy Woodpecker, 14; Downy Woodpecker, 4; Gray Jay, 13; Blue Jay, 29; Common Raven, 3; Black-capped Chickadee, 123; Common Starling, 3; House Sparrow, 31; Pine Grosbeak, 32; Common Redpoll, 2; **Slate-colored Junco,** 1; Snow Bunting, 12. **Total,** 12 species; 267 individuals. (A Pileated Woodpecker visits one feeding station regularly but was not observed on Dec. 27.)—Mrs. E. Axcell, Mrs. K. W. Bennett, C. A. Elsey, R. J. McClanahan, Robert McClanahan, Jim Savage, Mrs. J. G. Stephens, Jack Stephenson, Jr., Charles W. Tully, Mrs. Robert Walker, Frank Washington (Kirkland Lake Nature Club).

14. **Kitchener, Ont.** (7½-mile radius centering on extreme southwesterly boundary of city; cattail marsh 4%, open farmland and pasture 35%, deciduous woods 26%, conifers 14%, swamp 10%, city suburbs 5%, open water 6%).—Dec. 26; 8 a.m. to 4:30 p.m. Clear, some cloudy intervals; temp. 30° to 44°; wind SSW, 10-15 m.p.h.; very light snow cover, thawing in p.m., most rivers and creeks open. Eighteen observers in 6 parties. Total party-hours, 42½ (37 on foot, 5½ by car); total party-miles, 194 (40 on foot, 154 by car). Great Blue Heron, 1; Mallard, 3; Black Duck, 13; Am. Golden-eye, 11; Am. Merganser, 4; Red-tailed Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 8; Ring-necked Pheasant, 11; Herring Gull, 18; Belted Kingfisher, 2; Pileated Woodpecker, 4; Hairy Woodpecker, 9; Downy Woodpecker, 21; Blue Jay, 6; Am. Crow, 3; Black-capped Chickadee, 301; White-breasted Nuthatch, 14; Brown Creeper, 8; Winter Wren, 2; Brown Thrasher, 1 [no details—Ed.]; Golden-crowned Kinglet, 25; Gray Shrike, 3; Loggerhead Shrike, 1 [no details—Ed.]; Common Starling, 147; House Sparrow, 659; Cardinal, 33; Evening Grosbeak, 1; Purple Finch, 7; Pine Grosbeak, 2; Common Redpoll, 28; Am. Goldfinch, 63; Slate-colored Junco, 53; Am. Tree Sparrow, 53; Snow Bunting, 350. **Total,** 36 species; about 1870 individuals.—Malcolm Campbell, Eric M. Carter, Horace A. Dahmer (compiler), James Detweiler, Roy Dickson, Margaret Dickson, Brian Drown, Ralph Hendry, Richard Hilborn, Margaret Lemon, Robert Pickering, Morley C. Preston, Mrs. Dorothy Russell, Harold Russell, Willard H. Schaefer, Frank Shantz, Russell Tilt, Arthur Woods (Kitchener-Waterloo Field Naturalists).

15. **London, Ont.** (area same as last year).—Dec. 27; 8 a.m. to 4 p.m. Cloudy, fog, turning to rain; temp. 38° to 40°; wind S, 5 m.p.h.; ground snow-covered, rivers and streams open. Thirty-four observers in 9 parties. Total party-hours, 65 (45 on foot, 20 by car); total party-miles, 150 (40 on foot, 110 by car). Great Blue Heron, 1; Black Duck, 16; Am. Golden-eye, 22; Am. Merganser, 10; Cooper's Hawk, 1; Red-tailed Hawk, 14; Rough-legged Hawk, 1; Bald Eagle, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 2; Herring Gull, 65; Ring-billed Gull, 2; Mourning Dove, 79; Horned Owl, 3; Belted Kingfisher, 15; Hairy Woodpecker, 10; Downy Woodpecker, 34; Blue Jay, 92; Am. Crow, 14; Black-capped Chickadee, 218; White-breasted Nuthatch, 34; Red-breasted Nuthatch, 1; Brown Creeper, 11; Winter Wren, 4; **Brown Thrasher,** 1 (at feeder—E.D.); Golden-crowned Kinglet, 28; Gray Shrike, 7; Common Starling, 345; House Sparrow, 703; Red-winged Blackbird, 1 (C.M.); Cardinal, 174; Purple Finch, 14; Pine Grosbeak, 2; Am. Goldfinch, 38; Slate-colored Junco, 151; Am. Tree Sparrow, 244; White-throated Sparrow, 2; Swamp Sparrow, 3; Song Sparrow, 14; Snow Bunting, 300. **Total,** 40 species; about 2678 individuals. (Dec. 25: Canada Goose; Dec. 28: Evening Grosbeak.)—Dr. and Mrs. Carl Cline, Dr. Gordon Cummings, Dr. G. Aitken, E. H. Nugent, Marshall Field, Eli Davis, Mary Jane Heighway, James Leach (compiler), Mrs. J. W. Leach, Mr. and Mrs. William Girling, Charles Maddeford, William Maddeford, Ted Maddeford, Harold Osborne, Ross Allan, Vern Franks, Howard Keast, Paul Mackenzie, Dr. William Judd, James Fallona, Michael Fallona, Douglas Dow, Mr. and Mrs. J. Higgins, J. C. Laughton, Jim Elliott, Roger Gardiner, Tom Cummings, Brian Vance, Ann Thompson, Carol Hobbs, Gerald Turner (McIlwraith Ornithological Club).

16. **Peterborough, Ont.** (7½-mile radius centering on City Hall in Peterborough, including Jackson Park-Lily Lake, Otonabee River, Nassau-Heronry, Chemong Park, Burnham's Woods and Crawford's Grove; open farmland 45%, marsh 9%, water 4%, mixed woods 24%, deciduous woods 8%, coniferous woods 10%).—Dec. 26; 8:30 a.m. to 4 p.m. Variable cloudiness, sunny intervals; temp. 28° to 35°; wind SW, 5-20 m.p.h.; ground covered 3-4-in. soft snow, lakes frozen, river open. Eighteen observers in 5 parties. Total party-hours, 20 (15 on foot, 5 by car); total party-miles, 70 (20 on foot, 50 by car). Am. Merganser, 14; **Goshawk,** 1; Pigeon Hawk, 2 [no details—Ed.]; Sparrow Hawk, 2; Ruffed Grouse, 3; Herring Gull, 1; Hairy Woodpecker, 3; Downy Woodpecker, 4; Blue Jay, 4; Black-capped Chickadee, 86; White-breasted Nuthatch, 7; Common Starling, 179; House Sparrow, 215; **Eastern Meadowlark,** 1; **Pine Grosbeak,** 3; Common Redpoll, 62; Am. Goldfinch, 119; Am. Tree Sparrow, 47; Snow Bunting, 250. **Total,** 19 species; about 1003 individuals.—V. Aare, Mrs. G. Chandler and Reg, F. Heilingbrunner, J. Johnston, J. L. McKeever (compiler) and Derek, F. R. Pammett (compiler), M. V. Powell, M. Pomeroy, R. and D. Rymer, D. Sadler, Mr. and Mrs. R. Sircom, K. V. and J. Strasser, E. Whiteley (Peterborough Nature Club).

17. **Pickering Twp. (Ontario Co.), Ont.** (same area as last year).—Dec. 27; 7:30 a.m. to 4:30 p.m. Overcast, misty, some light rain; temp. 30° to 35°; wind variable, 5-10 m.p.h.; ground partly bare, creek full and frothy. Two observers in 2 parties. Total party-hours, 11 (3 on foot, 6 by car; 2 = ?—Ed.); total party-miles, 9 (3 on foot, 6 by car). Ring-necked Pheasant, 5; Herring Gull, 1; Downy Woodpecker,

4; Blue Jay, 10; Black-capped Chickadee, 35; White-breasted Nuthatch, 2; Common Starling, 2; House Sparrow, 90; Cardinal, 6; Slate-colored Junco, 26; **Swamp Sparrow,** 1. **Total,** 11 species; about 182 individuals. (Noted in area Dec. 26: Pine Grosbeak, 1.)—Doris H. Speirs (compiler), J. Murray Speirs.

18. Point Pelee, Ont. (same area as last year).—Dec. 26; 8 a.m. to 4 p.m. Clear, sunny, breezy; temp. 36° to 48°; wind SSW, 7-14 m.p.h.; snow in woods, marsh frozen, Lake Erie open except for a little shore ice. Fifteen observers in 4 parties. Total party-hours, 30 (24 on foot, 6 by car); total party-miles, 56 (24 on foot, 32 by car). Pied-billed Grebe, 1; Am. Golden-eye, 11; Buffle-head, 2; White-winged Scoter, 1; Am. Merganser, 15; Red-breasted Merganser, 40; Red-tailed Hawk, 2; Red-shouldered Hawk, 3; Bald Eagle, 3; Marsh Hawk, 2; Ring-necked Pheasant, 19; Great Black-backed Gull, 1; Herring Gull, 14; Ring-billed Gull, 55; Bonaparte's Gull, 25; Mourning Dove, 1; Hairy Woodpecker, 9; Downy Woodpecker, 20; Horned Lark (Prairie), 1; Blue Jay, 2; Am. Crow, 1170; Black-capped Chickadee, 274; White-breasted Nuthatch, 13; Brown Creeper, 20; Winter Wren, 1; Carolina Wren, 7; Am. Robin, 8; Eastern Bluebird, 1; Golden-crowned Kinglet, 15; Ruby-crowned Kinglet, 3; Cedar Waxwing, 45; Gray Shrike, 2; Common Starling, 156; Myrtle Warbler, 7; House Sparrow, 310; Red-winged Blackbird, 53; Rusty Blackbird, 5; Purple Grackle, 3; **Brown-headed Cowbird,** 40; Cardinal, 64; Evening Grosbeak, 21; Purple Finch, 1; Am. Goldfinch, 32; Vesper Sparrow, 1 [no details—Ed.]; Slate-colored Junco, 44; Am. Tree Sparrow, 700; Field Sparrow, 7; White-throated Sparrow, 3; Swamp Sparrow, 9; Song Sparrow, 13. **Total,** 50 species; about 3255 individuals.—Mr. and Mrs. Leo Diamond, Roger Erickson, David French, Victor Knowles, Douglas Larkins, Mr. and Mrs. John McMillan, Dan McMillan, Mr. and Mrs. R. D. Merriam, Betsy Merriam, Ralph A. O'Reilly, Jr., Blanche Rinehart, Mrs. Harriet B. Woolfenden (compiler).

19. Port Arthur—Fort William, Ont. (7½-mile radius, Bare Point to Chippewa Park, Carter's Corners and Intola P.O.; lake 8%, peat and muck bogs 12%, residential and industrial areas 14%, farmlands 24%, woodlands 42%).—Dec. 26; 8 a.m. to 5 p.m. Dull, clearing at 11 a.m.; temp. 10° to 14°; wind W to NW, 10-15 m.p.h.; 6-in. crusted snow, Rowan berries and other foods plentiful, lake frozen except at river mouths. Twenty-two observers in 12 parties. Total party-hours, 30 (14 on foot, 16 by car); total party-miles, 230 (23 on foot, 207 by car). Mallard, 2; Black Duck, 5; Am. Golden-eye, 6; Ruffed Grouse, 3; European Partridge, 3; Herring Gull, 183; **Mourning Dove,** 1 (by a grain elevator); Hairy Woodpecker, 10; Downy Woodpecker, 2; Gray Jay, 2; Blue Jay, 19; Common Raven, 37; Am. Crow, 3; Black-capped Chickadee, 89; Brown-capped Chickadee, 2; Red-breasted Nuthatch, 4; Am. Robin, 107; **Cedar Waxwing,** 118; Gray Shrike, 1; Common Starling, 315; House Sparrow, 1150; Evening Grosbeak, 77; Purple Finch, 3; **Pine Grosbeak,** 838; Common Redpoll, 197; Pine Siskin, 4; White-winged Crossbill, 3. **Total,** 27 species; about 3184 individuals. (Seen in area Dec. 19: Pileated Woodpecker; Dec. 27: Snowy Owl.)—Dr. and Mrs. A. E. Allin, H. K. Campbell, Howard Campbell, Keith Denis (compiler), Norman Denis, Mr. and Mrs. F. Dupuis, C. E. Garton, Mrs. H. J. Ferrier, Dr. and Mrs. W. P. Hogarth, Mrs. M. Knowles, Mr. and Mrs. J. Murie, Dr. and Mrs. H. Quackenbush, S. Robb, Mr. and Mrs. C. Rydholm, Mrs. E. Saucier, J. Thompson (Thunder Bay Field Naturalists' Club).

20. Rutherglen, Ont. (from 18 miles east of North Bay, villages of Bonfield and Rutherglen, areas around Kaipuskong, Mattawa, Amable du Fond, Ottawa River and Pimisi Bay to town of Mattawa; open farmland 10%, woodlots 10%, second-growth mixed forest 50%, marshes and bogs 5%, lakes and rivers 15%, settlements 10%).—Dec. 31; 7:30 a.m. to 4 p.m. (1 hour off for lunch). Partly cloudy to cloudy; temp. 14° to 33°; wind W to SW, 2-5 m.p.h.; ground covered with 12-13-in. soft powder-snow, all fresh water except rapids and Ottawa River frozen. One observer. Total hours, 7½ (3½ on foot, 4 by car); total miles, 48 (6 on foot, 42 by car). Am. Golden-eye, 14; Hairy Woodpecker, 7; Downy Woodpecker, 1; Blue Jay, 5; Common Raven, 3; Black-capped Chickadee, 53; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; House Sparrow, 15; Common Redpoll, 7. **Total,** 10 species; about 107 individuals. (Seen in area Dec. 26: Am. Robin; Dec. 29: Evening Grosbeak, 6; Jan. 1: Pileated Woodpecker, 1; Am. Crow, 2; Pine Grosbeak, 3; Snow Bunting, 32.)—Louise de Kiriline Lawrence.

21. St. Thomas, Ont. (7½-mile radius centering 3 miles SE of St. Thomas, including lake shore from Port Stanley to Port Bruce; pasture 10%, town suburbs 15%, deciduous farm woodlots 25%, lake shore 25%, creek valley 25%).—Dec. 26; 6:30 a.m. to 5:30 p.m. Overcast, clearing by 10 a.m.; temp. 30° to 40°; wind SE to SW, 5 m.p.h.; ground generally bare, all fresh water frozen, except Lake Erie and fast running streams. Thirty-one observers in 7 parties. Total party-hours, 58 (43½ on foot, 14½ by car); total party-miles, 238 (59 on foot, 179 by car). Common Loon, 7; Canada Goose, 450; Mallard, 123; Black Duck, 425; Am. Golden-eye, 1; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 34; Red-shouldered Hawk, 1; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 3; Ruffed Grouse, 3; Ring-necked Pheasant, 5; Great Black-backed Gull, 8; Herring Gull, 1063; Ring-billed Gull, 24; Bonaparte's Gull, 3; Mourning Dove, 98; Screech Owl, 3; Horned Owl, 3; Snowy Owl, 2; Long-eared Owl, 10; Belted Kingfisher, 4; Yellow-shafted Flicker, 2; Hairy Woodpecker, 13; Downy Woodpecker, 53; Horned Lark, 2; Blue Jay, 17; Am. Crow, 9; Black-capped Chickadee, 357; White-breasted Nuthatch, 27; Red-breasted Nuthatch, 4; Brown Creeper, 10; Winter Wren, 1; Am. Robin, 1; Golden-crowned Kinglet, 15; Ruby-crowned Kinglet, 3; Cedar Waxwing, 1; Gray Shrike, 9; Common Starling, 721; House Sparrow, 868; Eastern Meadowlark, 1; Cardinal, 130; Purple Finch, 5; Pine Siskin,

35; Am. Goldfinch, 78; Eastern Towhee, 3; Savannah Sparrow, 1; Vesper Sparrow, 1 [no details—Ed.]; Slate-colored Junco, 412; Oregon Junco, 1 [no details, not even underlined as unusual—Ed.]; Am. Tree Sparrow, 337; Field Sparrow, 18; White-throated Sparrow, 1; Swamp Sparrow, 19; Song Sparrow, 10; Snow Bunting, 1. **Total,** 58 species; about 5441 individuals. (Seen in area Dec. 20: Pileated Woodpecker; Dec. 25: White-crowned Sparrow; Dec. 27: Am. Woodcock.)—Dr. Aitken, G. Axford, L. Auckland, B. Barnard, Mrs. E. Bell, Mrs. R. Coombs, M. Field (compiler), R. Foster, W. Girling, B. Granham, R. Hillisheim, Mrs. Hodkinson, C. Inger, J. Irvine, D. Lankin, J. Leach, Mrs. J. Leach, J. Lemon, F. Lewis, Mrs. C. Marr, C. McCormick, I. McKay, R. Newman, J. Ronald, Mr. and Mrs. V. Smith, Roger Smith, D. Steele, B. Stewart, D. Till, R. Williams.

22. Sarnia, Ont. (township of Sarnia in Lambton County; 7-mile radius centering on intersection of Blackwell Sideroad and Fourth Line, bounded by Lake Huron, St. Clair River and town lines of Plympton and Moore; pasture 10%, plowland 20%, Lake Huron 15%, River St. Clair 10%, coniferous growth 10%, marsh 15%, orchards and farm lots 20%).—Dec. 27; 9:15 a.m. to 5 p.m. Overcast, drizzle to steady rain; temp. 36° to 38°; wind N to NW, 5-15 m.p.h.; few patches of snow, creeks and ponds frozen, river and lake open. Ten observers in 3 parties. Total party-hours, 20 (2 on foot, 18 by car); total party-miles, 113 (3 on foot, 110 by car). Horned Grebe, 3; Mallard, 10; Black Duck, 50; Green-winged Teal, 3; Redhead, 30; Canvas-back, 200; Greater Scaup, 200; Am. Golden-eye, 500; Buffle-head, 3; Old-squaw, 60; White-winged Scoter, 1; Hooded Merganser, 19; Am. Merganser, 1000; Red-breasted Merganser, 100; Cooper's Hawk, 1; Red-tailed Hawk, 2; Marsh Hawk, 3; Ring-necked Pheasant, 30; Herring Gull and Ring-billed Gull, 200; Mourning Dove, 2; Red-headed Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 1; Blue Jay, 18; Am. Crow, 32; Black-capped Chickadee, 11; Tufted Titmouse, 8; White-breasted Nuthatch, 4; Am. Robin, 1; Gray Shrike, 1; Common Starling, 200; House Sparrow, 3000; Cardinal, 8; Am. Goldfinch, 11; Slate-colored Junco, 8; Am. Tree Sparrow, 28. **Total,** 37 species; about 5751 individuals.—Dr. A. T. Storey (compiler), T. K. Storey, Angus Buchanan, David Johnston, Donald McKenzie, Robert Denomy, Dennis Rupert, James, Morley and Charlton Carscallen.

23. Toronto, Ont. (same area as last year).—Dec. 26; 7:30 a.m. to 5 p.m. Bright; temp. 31° to 46°; wind SW, 10 m.p.h.; sprinkling of snow on ground, ponds and creeks frozen, bay and inside breakwater open. Sixty-three observers in 16 parties. Total party-hours, 90¾ (80 on foot, 10¾ by car); total party-miles, 195 (107 on foot, 88 by car). Great Blue Heron, 1; Mallard, 750; Black Duck, 723; Pintail, 1; Greater Scaup, 2005; Am. Golden-eye, 92; Buffle-head, 110; Old-squaw, 477; Am. Merganser, 36; Red-breasted Merganser, 2; Sharp-shinned Hawk, 2; Red-tailed Hawk, 20; Rough-legged Hawk, 2; Marsh Hawk, 1; Pigeon Hawk, 1 [no details—Ed.]; Sparrow Hawk, 30; Ring-necked Pheasant, 91; Great Black-backed Gull, 7; Herring Gull, 1901; Ring-billed Gull, 507; Mourning Dove, 1; Horned Owl, 15; Snowy Owl, 3; Barred Owl, 1; Long-eared Owl, 13; Short-eared Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Red-headed Woodpecker, 1; Hairy Woodpecker, 37; Downy Woodpecker, 78; Blue Jay, 97; Am. Crow, 17; Black-capped Chickadee, 345; White-breasted Nuthatch, 57; Red-breasted Nuthatch, 3; Brown Creeper, 6; Am. Robin, 5; Golden-crowned Kinglet, 4; Gray Shrike, 15; Common Starling, 3896; House Sparrow, 647; Cardinal, 46; Evening Grosbeak, 6; Purple Finch, 7; Am. Goldfinch, 7; **Eastern Towhee,** 3; Slate-colored Junco, 87; Am. Tree Sparrow, 95; White-throated Sparrow, 3; Swamp Sparrow, 1; Song Sparrow, 16. **Total,** 53 species; about 12,277 individuals.—Mrs. P. Addison, W. Addison, Robert Anderson, J. L. Baillie (compiler), H. Barnett, Robert Bateman, Ross Bateman, O. D. Boggs, O. D. Boggs, Jr., D. Burton, W. Clarke, R. Corlett, A. Dawe, O. E. Devitt, F. H. Emery, A. Falls, J. B. Falls, T. Farley, B. Foster, C. D. Fowle, C. Goodwin, A. Gordon, H. M. Halliday, R. James, F. Keim, G. Lambert, C. Leavens, B. LeVay, J. LeVay, N. LeVay, R. V. Lindsay, J. Livingston, J. R. Mackintosh, N. Martin, R. McCleary, W. McGregor, T. F. McIlwraith, J. McIntyre, W. Milne, A. J. Mitchener, C. Molony, F. Mueller, R. E. Pannell, J. Parker, A. Reid, H. Richards, D. Ripley, R. C. Ritchie, T. Russell, Dorothy Scovell, R. Scovell, F. B. Sharp, J. Sherrin, T. M. Shortt, F. Smith, W. Smith, D. Sumner, E. H. Taylor, H. Thorpe, E. Wasserfall, W. Wasserfall, E. Welch, M. Wood (Brodie Club and cooperators).

24. West Elgin, Ont. (area within 7½-mile radius centered 1 mile north of West Lorne; agricultural land 9%, pastures 8%, river and creek gullies 40%, deciduous woods 20%, conifer groves 2%, lake front 20%, feeding stations 1%).—Dec. 27; 6:30 a.m. to 5 p.m. Overcast; temp. 36° to 40°; wind E, 5-0 m.p.h.; drizzle, increasing to rain after 2 p.m., visibility cut by fog in p.m.; snow in sheltered spots, no ice on Lake Erie, ponds frozen. Twelve observers in 4 parties. Total party-hours, 27 (22 on foot, 5 by car); total party-miles, 113 (23 on foot, 90 by car). Mallard, 2; Am. Golden-eye, 66; Am. Merganser, 13; Cooper's Hawk, 1; Red-tailed Hawk, 13; Rough-legged Hawk, 2; **Golden Eagle,** 1 (D.J., D.M.); Bald Eagle, 2; Marsh Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 8; Bob-white, 52; Ring-necked Pheasant, 1; Herring Gull, 8; Mourning Dove, 33; Screech Owl, 2; Horned Owl, 5; Short-eared Owl, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 2; Hairy Woodpecker, 9; Downy Woodpecker, 35; Blue Jay, 13; Am. Crow, 10; Black-capped Chickadee, 130; White-breasted Nuthatch, 15; Brown Creeper, 11; Am. Robin, 1; Golden-crowned Kinglet, 7; Cedar Waxwing, 4; Gray Shrike, 6; Common Starling, 125; House Sparrow, 750; Cardinal, 64; Am. Goldfinch, 108; **Eastern Towhee,** 3; Slate-colored Junco, 180; Am. Tree Sparrow, 230; Field Sparrow, 1; **White-crowned**

Sparrow, 1 (D.S., V.E.L.); Song Sparrow, 3; Lapland Longspur, 100 (R.E.L.); Snow Bunting, 2. **Total,** 44 species; about 2081 individuals. (Seen Jan. 1: Horned Lark; Jan. 2: Killdeer.)—S. Chandler, D. Johnson, J. Lemon, R. E. Lemon, V. E. Lemon, A. Meek, G. Merritt, D. Murray (compiler), V. Pearce, Dr. A. C. Steele, D. Swain, G. Vogan (West Elgin Nature Club).

25. Westport, Ont. (7½-mile radius centering on village municipal office; farmland 15%, lakes 20%, marshes 5%, deciduous woodland 40%, mixed woodland 18%, Red Cedar groves 2%).—Jan. 2; 8 a.m. to 5 p.m. Overcast, clear at 2 p.m.; temp. 35° to 45°; wind NW, 4-15 m.p.h.; ground covered with 14-in. snow; marshes, lakes and some rivers frozen. Eleven observers in 4 parties. Total party-hours, 29 (23 on foot, 6 by car); total party-miles, 210 (33 on foot, 177 by car). Black Duck, 12; Ruffed Grouse, 8; Pileated Woodpecker, 1; Hairy Woodpecker, 9; Downy Woodpecker, 5; Gray Jay, 2; Blue Jay, 13; Black-capped Chickadee, 195; White-breasted Nuthatch, 13; Gray Shrike, 2; Common Starling, 28; House Sparrow, 44; Evening Grosbeak, 2; Pine Grosbeak, 57; Common Redpoll, 12; Am. Goldfinch, 11; Slate-colored Junco, 1; Am. Tree Sparrow, 9; Snow Bunting, 15. **Total,** 19 species; 439 individuals.—A. Bell, I. Boardman, J. Cartwright, D. Crawford, J. Clarke, T. Erskine, P. McManus, R. Stewart, G. Stirrett, A. M. Strong (compiler), S. Teeple.

26. Yorkton, Sask. (7½-mile radius centering on Yorkton; mixed farming country 75%, woodlands 25%).—Dec. 26; 8:30 a.m. to 5 p.m. Slight overcast; temp. −7° to 5°; wind NNW, 5-15 m.p.h.; ground covered with 2-in. snow. Twenty-three observers in 6 parties. Total party-hours, 23 (8 on foot, 15 by car); total party-miles, 126½ (14½ on foot, 112 by car). Goshawk, 1; Ruffed Grouse, 5; Sharp-tailed Grouse, 43; European Partridge, 30; Horned Owl, 3; **Snowy Owl,** 9; Hairy Woodpecker, 3; Downy Woodpecker, 3; Blue Jay, 2; Am. Magpie, 47; Black-capped Chickadee, 65; Bohemian Waxwing, 287; Common Starling, 4; House Sparrow, 814; **Red-winged Blackbird,** 1 (C.C.S.); **Brewer's Blackbird,** 7 (L.C., W.B.); Pine Grosbeak, 51; Common Redpoll, 57; Slate-colored Junco, 4; Snow Bunting, 474. **Total,** 20 species; about 1910 individuals.—Tyrone Balacko, Paul Barski, Wayne Bjorgan, Jim Bridgewater, Brother Clarence, Lionel and Ronald Coleman, Brother Halward, Dr. and Mrs. Stuart Houston (compilers), John Hutchinson, Preston McDonald, Dave McVey, Allan Nurse, Jack Park, Irving Pearce, Jack Shaver, C. C. Shaw, Mr. and Mrs. Jeff Smith, Frank and Gillean Switzer, Brother Vincent (Yorkton Natural History Society).

27. College, Alaska (4 miles west of Fairbanks; transect from College to Cleary Summit on Steese Highway; transect from beginning of Murphy Dome road on Elliot Highway to railroad siding at Martin; vicinity of Smith Lake, Chena Slough, and ski trail by country club; small-diameter spruce-birch-aspen forest 90%, open farmland, alder thickets, and areas of placer mining 10%. Cleary Summit [2800] is at timberline).—Dec. 29; 10 a.m. to 3 p.m. Clear and sunny, 1/10 cir.-cum. clouds at Cleary Summit. Sunrise 9:57, sunset 1:51; max. 50 footcandles at noon; temp. −15° to −35°; wind E, 1-0 m.p.h.; ground cover of 12-15-in. light snow. Eleven observers in 6 parties. Total party-hours, 18¾ (11¾ on foot, 4 by car, 3 by skis); total party-miles, 75 (18 on foot, 53 by car, 4 on skis). Rock Ptarmigan, 29; Horned Owl, 1; Gray Jay, 16; Common Raven, 23; Black-capped Chickadee, 13; Brown-capped Chickadee, 3; Gray Shrike, 1; Pine Grosbeak, 75; Redpoll (Hoary and Common), 382. **Total,** 10 species; about 543 individuals.—J. L. Buckley, B. Chamberlain, F. Dean, H. Kantner, B. Kessel (compiler), R. G. Kirkpatrick, C. J. Lensink, W. L. Libby, E. Pruitt, W. Pruitt, G. Smith (Univ. of Alaska).

28. Brunswick, Me. (7½-mile radius centered west of Gurnet, including Mere Point, Harpswell, Orr's Island, Bailey Island, Cundy's Harbor, Howard Point, Topsham; town suburbs 10%, coniferous and deciduous woodlots 20%, cleared fields 25%, saltwater bays and inlets 45%).—Jan. 2; 7 a.m. to 4 p.m. Moderate to heavy rain; temp. 32°; wind S, 9-25 m.p.h.; thin snow cover, bays and inlets open. Twenty-three observers in 5 parties. Total party-hours, 45 (25 on foot, 20 by car); total party-miles, 180 (40 on foot, 140 by car). Common Loon, 16; Red-necked Grebe, 6; Horned Grebe, 34; Gannet, 1; European Cormorant, 24; Black Duck, 623; scaup (sp.), 8; Am. Golden-eye, 228; Buffle-head, 34; Old-squaw, 34; Common Eider, 2; White-winged Scoter, 13; Surf Scoter, 4; Am. Scoter, 17; Am. Merganser, 3; Red-breasted Merganser, 15; Rough-legged Hawk, 1; Osprey, 1 [no details, not even underlined as unusual—Ed.]; Ring-necked Pheasant, 2; Great Black-backed Gull, 26; Herring Gull, 1609; Black-legged Kittiwake, 2; Black Guillemot, 3; Mourning Dove, 3; Horned Owl, 1; Snowy Owl, 1; Yellow-shafted Flicker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 2; Horned Lark, 4; Blue Jay, 6; Common Raven, 3; Am. Crow, 144; Black-capped Chickadee, 154; Brown-capped Chickadee, 1; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 4; Brown Creeper, 2; Golden-crowned Kinglet, 8; Gray Shrike, 2; Common Starling, 285; Myrtle Warbler, 15; House Sparrow, 85; Eastern Meadowlark, 1; Purple Grackle, 2; Brown-headed Cowbird, 20; Evening Grosbeak, 35; Pine Grosbeak, 177; Common Redpoll, 8; Pine Siskin, 12; Am. Goldfinch, 15; White-winged Crossbill, 35; Slate-colored Junco, 19; Am. Tree Sparrow, 113; Snow Bunting, 5. **Total,** 55 species; about 3877 individuals.—C. and W. J. C. Baker, A. P. and W. A. Daggett, C. A., J. A., M. A., N. and N. Dane, M. Coles, V. L. Fortin, C. Huntington, H. Maxwell, T. and D. Morse, C. Packard, O. Sadler, T. P. Skaling, H., H., and N. Shaw, C. W. Ring, F. B. Whitman.

29. Damariscotta-Pemaquid Region, Me. (15-mile diameter from Pemaquid Point to Damariscotta Mills; Route 32 to Salt Pond, Long Cove, Muscongus Harbor; cross roads to Damariscotta River, Clark's

Cove, Lewis Point; rocky shore 40%, salt bay 20%, meadows and marshes 15%, coniferous woodlands 20%, feeding stations 5%).—Dec. 29; 6:45 a.m. to 4 p.m. Partly cloudy; temp. 46° to 30°; wind NW, 25-30 m.p.h.; ground 80% bare, all fresh water frozen except swift running streams. Five observers in 2 parties. Total party-hours, 11 (9 on foot, 2 by car); total party-miles, 54 (10 on foot, 44 by car). Common Loon, 18; Red-necked Grebe, 1; Horned Grebe, 14; Gannet, 5; European Cormorant, 5; Great Blue Heron, 1; Mallard, 1; Black Duck, 55; **Wood Duck,** 1 (still present Jan. 1); Greater Scaup, 2; Am. Golden-eye, 257; **Barrow's Golden-eye,** 2 (present for week); Buffle-head, 81; Old-squaw, 61; Common Eider, 39; White-winged Scoter, 1; Surf Scoter, 7; Hooded Merganser, 10; Am. Merganser, 115; Red-breasted Merganser, 12; Red-tailed Hawk, 1; Ruffed Grouse, 1; Purple Sandpiper, 60; Great Black-backed Gull, 16; Herring Gull, 234; Black-legged Kittiwake, 92; Razor-billed Auk, 4; Black Guillemot, 3; Pileated Woodpecker, 1; Hairy Woodpecker, 1; Common Raven, 4; Am. Crow, 17; Black-capped Chickadee, 19; **Brown-capped Chickadee,** 4; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 1; Brown Creeper, 1; Am. Robin, 2; Common Starling, 4; House Sparrow, 1; **Brown-headed Cowbird,** 40 (flock at feeder for 3 winters); Evening Grosbeak, 5; Pine Siskin, 1; Am. Goldfinch, 4; White-winged Crossbill, 3; **Dickcissel,** 1 (at feeder since Oct.); Slate-colored Junco, 1; Am. Tree Sparrow, 5. **Total,** 48 species; about 1216 individuals. (Seen in area Dec. 23: Red-winged Blackbird; Dec. 26: White-winged Scoter; Bald Eagle; Blue Jay, 8; Pine Grosbeak, 10; Downy Woodpecker, 2; Dec. 27: Belted Kingfisher.) [Careful details submitted for all unusual birds—Ed.]— R. B. Buxton (compiler), M. E. Buxton, MacClure Day, Maurice Day, Mark Libby.

30. **Mount Desert Island, Me.** (7½-mile radius centering on north end of Echo Lake; shore 60%, coniferous forest 10%, pasture 5%, marsh 10%, town suburbs 15%. Fourteen feeding trays in 5 towns checked).—Jan. 1; 6:30 a.m. to 4:30 p.m. Clear and sunny; temp. 16° to 34°; no wind; ground frozen, light snow in woods and sheltered spots, all fresh water, some ocean inlets frozen. Fourteen observers in 6 parties. Total party-hours, 51 (14 on foot, 37 by car); total party-miles, 161 (9 on foot, 152 by car). Common Loon, 25; Red-throated Loon, 1; Red-necked Grebe, 9; Horned Grebe, 79; European Cormorant, 99; Canada Goose, 25; **Mallard,** 5; Black Duck, 190; **Redhead,** 1; Lesser Scaup, 26; Am. Golden-eye, 143; **Barrow's Golden-eye,** 6; Buffle-head, 222; Old-squaw, 486; Common Eider, 33,164; White-winged Scoter, 277; Surf Scoter, 8; Am. Scoter, 13; Am. Merganser, 8; Red-breasted Merganser, 29; **Sparrow Hawk,** 1; Ruffed Grouse, 2; Purple Sandpiper, 175; Great Black-backed Gull, 49; Herring Gull, 948; Black Guillemot, 12; **Saw-whet Owl,** 1; Hairy Woodpecker, 29; Downy Woodpecker, 35; **Blue Jay,** 26; Common Raven, 6; Am. Crow, 64; Black-capped Chickadee, 332; Brown-capped Chickadee, 32; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 42; Brown Creeper, 9; **Mockingbird,** 1 [no details—Ed.]; Am. Robin, 1; Golden-crowned Kinglet, 8; Common Starling, 213; **Yellow-breasted Chat,** 1 [no details—Ed.]; Brown-headed Cowbird, 4; Evening Grosbeak, 56; Pine Grosbeak, 11; Common Redpoll, 7; Pine Siskin, 2; Am. Goldfinch, 20; White-winged Crossbill, 27; Slate-colored Junco, 12; Am. Tree Sparrow, 37; White-throated Sparrow, 2; Song Sparrow, 1. **Total,** 53 species; about 6984 individuals. (Seen in area Dec. 26: Hooded Merganser, 2; Dec. 27: Bald Eagle, Glaucous Gull; Dec. 28: Gray Shrike, **Eastern Meadowlark.**)—Mr. and Mrs. Franklin Anthony, Wilbur Doudna, Walter G. Flagg, Marjory Hayward (compiler), Grace Laird, Winifred Mann, Mr. and Mrs. Donald McPheters, Walter C. Paine, Mr. and Mrs. Robert Patterson, Mr. and Mrs. Henry C. Rivers.

31. **Portland, Me.** (7½-mile radius centering on Barren Hill in Cape Elizabeth, including Portland, South Portland, Falmouth, Cape Elizabeth, Scarboro, and adjacent waters in Cumberland County; salt-water bays, ocean, and beach 40%, deciduous suburbs 15%, pasture and plowland 10%, coniferous-deciduous forest 30%, salt-water marshes 5%).—Dec. 26; 8 a.m. to 4:30 p.m. Clear to cloudy; temp. 10° to 28°; wind SSW, 2-14 m.p.h.; most fresh-water ponds frozen, ground covered with 7-in. snow. Twenty-one observers in 1 party. Total party-hours, 8½ (5 on foot, 3½ by car); total party-miles, 80 (10 on foot, 70 by car). Common Loon, 6; Red-necked Grebe, 1; Horned Grebe, 33; European Cormorant, 5; Black Duck, 258; Am. Golden-eye, 150; Buffle-head, 58; Old-squaw, 51; Common Eider, 400; White-winged Scoter, 208; Surf Scoter, 50; Am. Scoter, 75; Red-breasted Merganser, 161; Sharp-shinned Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 3; Ring-necked Pheasant, 2; Purple Sandpiper, 7; Great Black-backed Gull, 57; Herring Gull, 900; Mourning Dove, 1; Snowy Owl, 2; Hairy Woodpecker, 1; Downy Woodpecker, 3; Blue Jay, 2; Am. Crow, 25; Black-capped Chickadee, 33; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 2; Am. Robin, 1; Hermit Thrush, 1; Gray Shrike, 2; Common Starling, 42; Myrtle Warbler, 7; House Sparrow, 32; **Eastern Meadowlark,** 29; Brown-headed Cowbird, 2; Evening Grosbeak, 5; Pine Grosbeak, 16; Pine Siskin, 7; Am. Goldfinch, 25; Slate-colored Junco, 3; Am. Tree Sparrow, 64; **Swamp Sparrow,** 1; Lapland Longspur, 2; Snow Bunting, 46. **Total,** 46 species; about 2784 individuals. (Seen in area repeatedly before and after census, **Orange-crowned Warbler,** 1.)—Mrs. Harold Cobb, Mrs. Barbara L. Corning, Mr. and Mrs. Thompson F. Dow, Mr. and Mrs. D. A. Fowler, Mr. and Mrs. F. A. Kittredge, W. H. Maxwell, M. C. Morse, Jr., D. H. Morse, Christopher M. Packard (compiler), Mr. and Mrs. E. W. Payne, Rinda-Mary Payne, Cleora Reed, Mrs. W. P. Reeves, Virginia Robinson, Lucy Soule, Belva Wilson, Christine Wyman (Portland Society of Natural History).

32. **Webster Corner, Me.** (7½-mile radius centering on Webster Corner; same area as last year plus feeding station area in Lewiston).—Dec. 29; 7 a.m. to 5 p.m. Increasing cloudiness in p.m.; temp.

24° to 40°; wind W, 5-15 m.p.h.; fields bare to 3 in. of snow, up to 6-in. in woods, both Androscoggin and Sabattus Rivers completely open, lakes frozen. Three observers in 3 parties. Total party-hours, 22 (19 on foot, 3 by car); total party-miles, 100 (30 on foot, 70 by car). Mallard, 1; Black Duck, 4; Am. Merganser, 1; **Gyrfalcon** (white), 1; Ruffed Grouse, 43; Ring-necked Pheasant, 1; Herring Gull, 67; Saw-whet Owl, 1; Hairy Woodpecker, 3; Downy Woodpecker, 2; Horned Lark, 8; Blue Jay, 3; Am. Crow, 4; Black-capped Chickadee, 156; **Brown-capped Chickadee,** 1; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Am. Robin, 1; Golden-crowned Kinglet, 32; Common Starling, 26; House Sparrow, 10; **Baltimore Oriole,** 1; Brown-headed Cowbird, 2; Evening Grosbeak, 26; Pine Grosbeak, 19; Common Redpoll, 25; Pine Siskin, 4; Am. Goldfinch, 10; White-winged Crossbill, 4; Slate-colored Junco, 1; Am. Tree Sparrow, 16; **White-crowned Sparrow,** 1; Song Sparrow, 1; **Lapland Longspur,** 4; Snow Bunting, 160. **Total,** 35 species; 641 individuals. (Gyrfalcon observed from car at very close range; bird apparently eating gravel by roadside; characteristic wing-beat, great size, white plumage noted [M.C.M.]. Baltimore Oriole [immature] and White-crowned Sparrow [adult] trapped for positive identification and banded at Couture's station. Seen in area within week: Am. Golden-eye, 7; Goshawk, Snowy Owl, Pileated Woodpecker, White-throated Sparrow.)—Robert G. Couture, Douglass H. Morse, M. C. Morse, Jr. (compiler).

33. York and Wells, Me. (10-mile diameter coastwise, Cape Neddick to Drake Island; short penetrations of 1 to 2 miles inland; rocky headlands covered with conifers and some hardwoods 40%, beach, salt marsh and salt creeks 60%).—Jan. 1; 6:42 a.m. to 2:57 p.m. Partially cloudy, increasingly so during day; temp. 25° to 29°; wind NW, 4-7 m.p.h.; ground covered with 6-in. snow, fresh water frozen. Thirteen observers in 1 party. Total party-hours, 8 (8 by car); total party-miles, 49 (49 by car). Common Loon, 16; Red-throated Loon, 1; Red-necked Grebe, 133; Horned Grebe, 42; Gannet, 1; European Cormorant, 6; Great Blue Heron, 1; Black Duck, 43; Am. Golden-eye, 203; **Barrow's Golden-eye,** 1; Bufflehead, 5; Old-squaw, 63; Common Eider, 157; White-winged Scoter, 83; Surf Scoter, 42; Am. Scoter, 7; Red-breasted Merganser, 32; Purple Sandpiper, 50; Great Black-backed Gull, 17; Herring Gull, 435; murre (sp.), 1; Snowy Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 1; Horned Lark, 30; Blue Jay, 4; Am. Crow, 16; Black-capped Chickadee, 97; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 18; Common Starling, 210; Myrtle Warbler, 1; Evening Grosbeak, 68; Pine Grosbeak, 19; Am. Goldfinch, 1; White-winged Crossbill, 3; Am. Tree Sparrow, 35; Field Sparrow, 1 [no details—Ed.]; White-throated Sparrow, 1; Song Sparrow, 2; Snow Bunting, 2. **Total,** 42 species; about 1891 individuals. (In addition 39 unidentified scoters.)—Rinda-Mary Payne, Mr. and Mrs. E. Woodward Payne, Virginia Robinson, Haraden Maxwell, Minot Morse, Jr., Douglass H. Morse, Jr., Christopher M. Packard, Mr. and Mrs. Charles C. Buell, R. T. Paine, 3rd, Oscar M. Root, Wendell Taber (compiler).

34. Coastal New Hampshire (7½-mile radius to include Hampton-Seabrook Harbor, Portsmouth, Great Bay and Exeter; ocean 30%, harbor 10%, brackish bay 10%, open land 5%, salt marsh 5%, sand dunes 5%, brush 10%, mixed woods 20%, suburban 5%).—Jan. 1; 7:15 a.m. to 4:45 p.m. Cloudy; temp. 35° to 40°; wind NW, 0-10 m.p.h.; ground bare, Great Bay open. Five observers in 2-3 parties. Total party-hours, 20 (15 on foot, 5 by car); total party-miles, 80 (10 on foot, 70 by car). Common Loon, 54; Red-throated Loon, 13; Red-necked Grebe, 45; Horned Grebe, 81; Gannet, 11; European Cormorant, 49; Great Blue Heron, 2; Canada Goose, 375; Mallard, 1; Black Duck, 376; Greater Scaup, 600; Am. Golden-eye, 216; **Barrow's Golden-eye,** 2; Bufflehead, 29; Old-squaw, 33; Common Eider, 1; White-winged Scoter, 287; Surf Scoter, 11; Am. Scoter, 13; Am. Merganser, 40; Red-breasted Merganser, 155; Sparrow Hawk, 1; Ruffed Grouse, 5; **Ruddy Turnstone,** 1 (well described by C. DeW.); Purple Sandpiper, 17; **Sanderling,** 8 (P.K.); Glaucous Gull, 1; Great Black-backed Gull, 46; Herring Gull, 995; **Razor-billed Auk,** 1 (C. DeW.); **Black Guillemot,** 1 (C. DeW.); Snowy Owl, 4; Yellow-shafted Flicker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 2; Blue Jay, 20; Am. Crow, 121; Black-capped Chickadee, 54; White-breasted Nuthatch, 5; Brown Creeper, 1; Am. Robin, 2; Common Starling, 532; Myrtle Warbler, 2; House Sparrow, 130; Eastern Meadowlark, 1; Evening Grosbeak, 11; Pine Grosbeak, 11; Ipswich Sparrow, 3; Slate-colored Junco, 1; Am. Tree Sparrow, 60; Song Sparrow, 2; Snow Bunting, 7. **Total,** 52 species; about 4442 individuals.—Clara DeWindt, Kimball Elkins, Phillip Keenan, Barbara and Tudor Richards (compiler).

35. Dummer Hill, N. H. (townships of Dummer and Stark; open fields and pastures 30%, Canadian forest 60%, [10% = ?—Ed.]).—Dec. 28; 8 a.m. to 4:30 p.m. Cloudy with showers; temp. 34° to 38°; wind SW, 5-10 m.p.h.; ground covered with 5-12-in. snow. One observer. Total hours, 8½; total miles, 10 (all on foot). Ruffed Grouse, 3; Black-capped Chickadee, 26; Brown-capped Chickadee, 2; Golden-crowned Kinglet, 2. **Total,** 4 species; 33 individuals. (Seen in area Dec. 27: Hairy Woodpecker, 1; Dec. 29: Slate-colored Junco, 1. Total list for the three days, 6 species, 40 individuals.)—Stuart K. Harris.

36. Laconia—New Hampton, N. H. (7½-mile radius to include Meredith Bay, Governor's Island, Gilford, Silver Lake, New Hampton village; open lakes and rivers 35%, mixed northern hard and softwoods 35%, suburban 25%, open fields 5%).—Dec. 27; 7 a.m. to 4:15 p.m. Mostly clear to light overcast; temp. 20° to 40°; wind SW, calm to 5 m.p.h.; Snow 2-3 in. in open, 4-6 in. in woods; small ponds frozen, brooks, river and large lakes partly open. Eighteen observers, 7 afield in 3 parties, rest at their homes. Total party-hours, 24 (16 on foot, 8 by car); total party-miles, 123 (17 on foot, 106 by car).

Horned Grebe, 102; Black Duck, 7; **Ring-necked Duck,** 2 (pair); Am. Golden-eye, 233; Barrow's Golden-eye, 2; Hooded Merganser, 9; Am. Merganser, 105; Bald Eagle, 1; Ruffed Grouse, 16; Ring-necked Pheasant, 10; Herring Gull, 90; Belted Kingfisher, 1; Hairy Woodpecker, 15; Downy Woodpecker, 8; Blue Jay, 22; Black-capped Chickadee, 141; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 6; Brown Creeper, 2; Am. Robin, 1; Gray Shrike, 1; Common Starling, 15; House Sparrow, 163; **Brown-headed Cowbird,** 1; Evening Grosbeak, 112; **Pine Grosbeak,** 11; **Common Redpoll,** 720; Am. Goldfinch, 13; Slate-colored Junco, 1; Am. Tree Sparrow, 43. **Total,** 30 species; about 1867 individuals. (Seen in area Dec. 26: Pileated Woodpecker, 2; Eastern Meadowlark.)—Elwyn Bennett, Barbara and Harold Chase, Lillian S. Conway, Ethel Emmons, J. Parker Gammons, Bessie B. Gerry, Della and Vernon C. Harvey, Elizabeth W. Lancaster, Ann and Mary Merrill, Pauline S. Merrill (compiler), Blanche Noyes, Mildred K. Pitman, Elsie Robbins, Lucille Wallace, Vera H. Wallace.

37. Pittsburg, N. H. (7½-mile radius to include Pittsburg village and lower east inlet; open pools in river 2%, village 7%, dump 3%, open land 2%, brush 1%, northern hardwoods and mixed woods 35%, northern softwoods 35%, feeders 15%).—Jan. 1; 9:05 a.m. to 5:05 p.m. Snow in morning, clear in afternoon; temp. 17° to 28°; no appreciable wind; 6-14-in. snow, all water frozen except parts of Connecticut River. Four observers in 2 parties. Total party-hours, 8 (1½ on foot, 6½ by car); total party-miles, 86 (4 on foot, 82 by car). Black Duck, 5; Am. Golden-eye, 1; Am. Merganser, 1; Ruffed Grouse, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 2; Gray Jay, 6; Blue Jay, 8; Black-capped Chickadee, 51; **Brown-capped Chickadee,** 16; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Brown Creeper, 1; Evening Grosbeak, 1; Slate-colored Junco, 1; Snow Bunting, 4. **Total,** 17 species; 104 individuals.—Mr. and Mrs. Eugene Finch, Davis Finch (compiler), Fred T. Scott.

38. Southwestern New Hampshire (7½-mile radius to include Hinsdale, Chesterfield, Swanzey, Winchester and all adjoining stretches of Connecticut River; open river and ice 15%, mixed White Pine, Hemlock and hardwoods 60%, brush 10%, open fields 10%, suburban 5%).—Dec. 26; 7 a.m. to 5 p.m. Clear; temp. 9° to 30°; wind SW, 0-10 m.p.h.; ground mostly bare, Spofford Lake and backwater behind Hinsdale Dam frozen. One observer. Total hours, 9½ (6½ on foot, 3 by car); total miles, 85 (10 on foot, 75 by car). Black Duck, 20; Am. Merganser, 3; Red-tailed Hawk, 1; Ruffed Grouse, 2; Herring Gull, 4; Horned Owl, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 1; Blue Jay, 8; Am. Crow, 50; Black-capped Chickadee, 32; White-breasted Nuthatch, 3; Brown Creeper, 1; Common Starling, 197; House Sparrow, 30; Pine Grosbeak, 6; Common Redpoll, 112; Am. Goldfinch, 3; Am. Tree Sparrow, 41. **Total,** 20 species; about 519 individuals.—Tudor Richards.

39. Bennington, Vt. (7½-mile radius centering at Bennington Battle Monument; open fields 40%, villages 10%, woods 40%, feeding stations 10%).—Jan. 1; 7:30 a.m. to 5 p.m. Clear; temp. 26° to 39°; no wind; 1-in. crusted snow, all streams unfrozen. Sixteen observers in 12 parties. Total party-hours, 62 (28 on foot, 12 by car, 22 at feeders); total party-miles, 86 (16 on foot, 70 by car). Red-tailed Hawk, 3; Ruffed Grouse, 15; Ring-necked Pheasant, 19; Horned Owl, 2; Pileated Woodpecker, 1; Hairy Woodpecker, 14; Downy Woodpecker, 11; Blue Jay, 39; Am. Crow, 162; Black-capped Chickadee, 46; White-breasted Nuthatch, 25; Common Starling, 243; House Sparrow, 370; Evening Grosbeak, 28; Purple Finch, 4; Pine Grosbeak, 4; Pine Siskin, 20; Slate-colored Junco, 3; Am. Tree Sparrow, 34; White-throated Sparrow, 1. **Total,** 20 species; about 1044 individuals.—Dorothy and Henrietta Barrow, Mrs. Frederick Beecher, Eugene Clark, Dianne Collins, Mrs. Eva Fairman, Catharine and Thomas Foster, John Johnson, Mrs. Margery Ludlow, Howard Nash, Mrs. F. R. Nitchie, Mrs. R. M. Parmelee, Mrs. Marion Reimann, Dr. Lucretius H. Ross (compiler), Mrs. Stella Higgins.

40. Burlington, Vt. (7½-mile radius centering at College St. and the lake front, including lake shore from Barney Point to mouth of Shelburne River, Red Rocks, Rock Point, the Intervale, and a residential area; deciduous woods 12%, evergreen woods 13%, residential 12%, cattail marsh 13%, plowed fields 20%, lake shore 30%).—Jan. 2; 7 a.m. to 4 p.m. Heavy overcast, rain at 3 p.m.; temp. 34° to 37°; wind S to WNW, 15-6 m.p.h.; ground covered with 3-in. snow, Broad Lake and mouths of rivers open. Three observers in 3 parties. Total party-hours, 16 (15 on foot, 1 by car); total party-miles, 25½ (21 on foot, 4½ by car). Common Loon, 1; Red-necked Grebe, 1; Horned Grebe, 4; Black Duck, 1; Greater Scaup, 70; **Lesser Scaup,** 1 (apparently sick, studied at 15 ft.); Am. Golden-eye, 1153; Barrow's Golden-eye, 1; Buffle-head, 2; Am. Merganser, 60; **Red-tailed Hawk,** 1; **Rough-legged Hawk,** 1; Sparrow Hawk, 2; Ruffed Grouse, 1; Iceland Gull, 1; Herring Gull, 1410; Ring-billed Gull, 25; **Mourning Dove,** 1; Pileated Woodpecker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 6; Blue Jay, 10; Am. Crow, 5; Black-capped Chickadee, 39; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 1; Brown Creeper, 1; Am. Robin, 2; Golden-crowned Kinglet, 1; Gray Shrike, 1; Common Starling, 381; House Sparrow, 387; Evening Grosbeak, 58; **Pine Grosbeak,** 3; Common Redpoll, 35; Pine Siskin, 14; Am. Goldfinch, 16; Slate-colored Junco, 1; Am. Tree Sparrow, 29; Song Sparrow, 4; Snow Bunting, 19. **Total,** 41 species; about 3756 individuals. (Seen in area Dec. 26: Green-winged Teal, 1.)—Anna S. Reynolds, Norman St. Jaques, Marion L. Smith (compiler).

41. Topsham, Vt. (Macdonald farm, 4/5-mile SSE of Topsham, ⅜-mile radius from house, then NE to Bagley and S to Four Corners; elevation 1385 to 815 ft.; open farmland 31%, mixed deciduous and evergreen woods, swampy in places 61%, orchard

4%, dry pasture 4%, one feeding station).—Dec. 29; 7 a.m. to 4:30 p.m. Cloudy, fair, clouding up again; temp. 32° to 23°; wind NNW, 13-16 m.p.h.; 0-10 in. snow on ground, small brooks partly frozen. Two observers in 1-2 parties. Total party-hours, 13 (12½ on foot, ½ by jeep); total party-miles, 9 (7½ on foot, 1½ by jeep). Ruffed Grouse, 8; Hairy Woodpecker, 2; Downy Woodpecker, 3; Blue Jay, 8; Black-capped Chickadee, 57; White-breasted Nuthatch, 4; Pine Grosbeak, 13; Pine Siskin, 1; White-winged Crossbill, 3; Snow Bunting, 2. **Total,** 10 species; 101 individuals. (In area Dec. 28: Barred Owl; Jan. 5: Pileated Woodpecker.)—Alison Macdonald, Elisabeth Macdonald (co-compilers).

42. Woodstock, Vt. (same area as last year).—Dec. 26; 7 a.m. to 5 p.m. Clear; temp. 4° to 28°; wind calm; 2-in. snow on ground. Eighteen observers in 12 parties. Total party-hours, 83 (80 on foot, 3 by car); total party-miles, 55 (10 on foot, 45 by car). Am. Merganser, 2; Ruffed Grouse, 1; Screech Owl, 1; Barred Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 12; Downy Woodpecker, 4; Blue Jay, 32; **Am. Magpie,** 1; Am. Crow, 1; Black-capped Chickadee, 293; White-breasted Nuthatch, 29; Red-breasted Nuthatch, 1; Common Starling, 8; House Sparrow, 71; **Baltimore Oriole,** 1; Evening Grosbeak, 63; Purple Finch, 12; Slate-colored Junco, 1; Am. Tree Sparrow, 28; Song Sparrow, 1; Snow Bunting, 20. **Total,** 22 species; 584 individuals. (Baltimore Oriole coming to feeders daily since Nov. 28; magpie one of several released in Woodstock during the summer.)—Mrs. Hazen Blanchard, Mrs. Elba Buckman, Mrs. Preston Cole, Mrs. H. C. Holt, Mr. and Mrs. Earl Lussier, Mr. and Mrs. R. M. Marble, Mr. and Mrs. R. Robinson, Mr. and Mrs. A. E. Thomas, Dr. and Mrs. C. A. Williams, Mr. and Mrs. Fred Williams, Mrs. Lovett Garceau, Mrs. F. H. Merrill.

43. Belmont, Mass. (including Fresh Pond in Cambridge, same area as previous 20 years; pasture 10%, deciduous woodland 25%, coniferous woodland 10%, marshland 15%, residential 40%).—Dec. 29; 6:45 a.m. to 7:45 p.m. Mostly cloudy; temp. 51° to 38°; wind NW, 25-15 m.p.h.; ground mostly bare, all ponds open. Fourteen observers (7 in 5 parties, 7 at 6 feeding stations). Total party-hours, 34 (27 on foot, 7 by car); total party-miles, 72 (34 on foot, 38 by car). Pied-billed Grebe, 1; Great Blue Heron, 1; Mallard, 65; Black Duck, 125; Am. Widgeon, 7; Pintail, 1; Hooded Merganser, 1; Am. Merganser, 32; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Sparrow Hawk, 4; Ring-necked Pheasant, 24; Am. Coot, 1; Great Black-backed Gull, 36; Herring Gull, 334; Barn Owl, 2; Hairy Woodpecker, 2; Downy Woodpecker, 10; Blue Jay, 9; Am. Crow, 42; Black-capped Chickadee, 50; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 1; **Brown Thrasher,** 2; Am. Robin, 5; Common Starling, 200; House Sparrow, 58; Evening Grosbeak, 1; Purple Finch, 1; Pine Siskin, 71; Am. Goldfinch, 3; Slate-colored Junco, 39; Oregon Junco, 1 [no details, not even underlined as unusual—Ed.]; Am. Tree Sparrow, 34; White-throated Sparrow, 5; Swamp Sparrow, 2; Song Sparrow, 8. **Total,** 37 species; about 1186 individuals. (Seen in area Dec. 26: Pine Grosbeak, 2; Jan. 1: Am Golden-eye, 2.)—Mrs. Francis W. Davis, Kimball C. Elkins, Mrs. Hervey B. Elkins, Charles Anthony Federer, 3rd, Robert T. Paine, 3rd, Mr. and Mrs Samuel D. Robbins (compiler). Also, at own feeding stations, Campbell Bosson, Mr. and Mrs. Harold I. Brown, Mrs. William H. Claflin, 3rd, George Drew, Ivan Getting, Jr., George T. Jenks.

44. Cape Ann, Mass. (7½-mile radius, including Gloucester, Rockport, Essex, and parts of Beverly, Manchester, and Ipswich; same territory as covered for more than 15 years; rocky shores, coves, sea coast, inland ponds, woodland, town suburbs, fishing docks, etc.).—Dec. 26; 3 a.m. to 4:30 p.m. Clear; temp. 10° to 30°; wind NW, 8-12 m.p.h.; ground covered with 4-6-in. crusted snow, most ponds frozen. Fifty-two observers in 9 parties. Total party-hours, 70 (50 on foot, 20 by car); total party-miles, 270 (45 on foot, 225 by car). Common Loon, 35; Red-throated Loon, 5; Red-necked Grebe, 7; Horned Grebe, 208; Gannet, 34; European Cormorant, 479; Great Blue Heron, 1; Canada Goose, 8; **Blue Goose,** 1 (R. L. party); Mallard, 3; Black Duck, 661; Greater Scaup, 111; Am. Golden-eye, 540; Barrow's Golden-eye, 1; Buffle-head, 84; Old-squaw, 64; Common Eider, 216; White-winged Scoter, 64; Surf Scoter, 12; Am. Scoter, 2; Am. Merganser, 1; Red-breasted Merganser, 465; Red-shouldered Hawk, 3; **Broad-winged Hawk,** 1 (Lawson); Marsh Hawk, 1; Sparrow Hawk, 4; Ring-necked Pheasant, 4; **Knot,** 1 (Sands); Purple Sandpiper, 282; Red-backed Sandpiper, 71; Sanderling, 1; Iceland Gull, 2 (Kumlien's, 1); Great Black-backed Gull, 226; Herring Gull, 5358; Ring-billed Gull, 8; Black-legged Kittiwake, 53; Razor-billed Auk, 3; Brünnich's Murre, 7; Dovekie, 1; Black Guillemot, 9; Mourning Dove, 1; Screech Owl, 1; Horned Owl, 1; Snowy Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 20; Hairy Woodpecker, 3; Downy Woodpecker, 27; Horned Lark, 34; Blue Jay, 54; Am. Crow, 292; Black-capped Chickadee, 277; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 6; Brown Creeper, 1; Catbird, 2; Brown Thrasher, 1; Am. Robin, 6; Hermit Thrush, 1; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 1; Cedar Waxwing, 6; Gray Shrike, 3; Common Starling, 2718; Myrtle Warbler, 360; House Sparrow, 332; oriole (Baltimore?), 1; Brown-headed Cowbird, 5; Evening Grosbeak, 84; Purple Finch, 15; Pine Grosbeak, 87; Common Redpoll, 10; Pine Siskin, 5; Am. Goldfinch, 37; Savannah Sparrow, 12; **Seaside Sparrow,** 1 (Sands); Slate-colored Junco, 106; Am. Tree Sparrow, 171; **Chipping Sparrow,** 1 (D.S.); White-throated Sparrow, 8; Song Sparrow, 33; Lapland Longspur, 1; Snow Bunting, 157. **Total,** 83 species (1 additional subspecies); about 13,942 individuals. [Excellent details sent for all unusual birds—Ed.]—Mr. and Mrs. John T. Beattie, Robert Benjamin, Mr. and Mrs. Frank Boot, Rachel Brown, Gardner Burgess, Don Burke, Frances Burnett, Emmett Cleveland, Dr. William E. Davis, William E. Davis, Jr., James Downey, John Edel, Mr. and Mrs. Maxwell Foster,

David Freeland, Virginia Frye, Murray Gardler, Mr. and Mrs. William Van Grimes, Mr. and Mrs. Henry N. Halberg, Kenneth Hamilton, Seward Highley, Norman Hoff, Shirley Howard, Louise Jewell, H. Lawrence Jodrey, Jr., Mrs. Waters Kellogg, Natalie B. King, Ralph Lawson, Bertram Leadbeater, George G. Loring, Susan G. Loring, C. Russell Mason (compiler), Herbert Pratt, Benjamin Priest, William Rice, Douglas B. Sands, Marjory B. Sanger, Michael Shea, Dorothy E. Snyder, Roderic W. Sommers, Donald Southall, Jeffrey Thomas, Marie Trigg, Judith Vogel, Mr. and Mrs. Francis Wade, John E. Walsh, Henry T. Wiggin.

45. Cape Cod, Mass. (parts of Chatham, Brewster, Orleans and Eastham; same routes as previous years). —Jan. 2; 1 hour before dawn to 2 hours after dark. Driving rain all day; temp. 41° to 38°; wind SE, moderate to NW, 30 m.p.h.; ground bare, marshes and ponds open. Cold wave and two heavy snowstorms occurred in preceding two-week period. Thirty-three observers in 8 parties. Total party-hours, 86 (42 on foot, 44 by car); total party-miles, 412 (82 on foot, 330 by car). Common Loon, 23; Red-throated Loon, 4; Red-necked Grebe, 1; Horned Grebe, 10; Pied-billed Grebe, 44; Gannet, 14; **European Cormorant,** 1 (L.G.); Great Blue Heron, 16; Black-crowned Night Heron, 44; **Yellow-crowned Night Heron,** 1 (H.M.P.); Am. Bittern, 3; Canada Goose 1426; Am. Brant, 764; Mallard, 6; Black Duck, 990; Am. Widgeon, 82; Pintail, 2; Green-winged Teal, 11; Ring-necked Duck, 29; Canvas-back, 9; Greater Scaup, 188; Lesser Scaup, 154; Am. Golden-eye, 1039; Buffle-head, 349; Old-squaw, 332; Common Eider, 785; White-winged Scoter, 199; Surf Scoter, 3; Am. Scoter, 25; Ruddy Duck, 129; Hooded Merganser, 5; Am. Merganser, 344; Red-breasted Merganser, 168; Sharp-shinned Hawk, 5; Cooper's Hawk, 1; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 4; Peregrine Falcon, 2; Sparrow Hawk, 6; Bob-white, 73; Ring-necked Pheasant, 9; Clapper Rail, 1; Virginia Rail, 1; **Sora,** 1 (D.J.); Am. Coot, 25; Killdeer, 1; Black-bellied Plover, 11; Wilson's Snipe, 2; Red-backed Sandpiper, 565; Sanderling, 61; Great Black-backed Gull, 1494; Herring Gull, 7631; Ring-billed Gull, 70; Bonaparte's Gull, 1; Black-legged Kittiwake, 2; **Razor-billed Auk,** 1 (A.M.); **Dovekie,** 1 (R.G.); Mourning Dove, 7; Screech Owl, 1; Horned Owl, 1; **Barred Owl,** 1 (R.G.); Long-eared Owl, 1; Short-eared Owl, 3; Saw-whet Owl, 1; Belted Kingfisher, 10; Yellow-shafted Flicker, 96; Hairy Woodpecker, 4; Downy Woodpecker, 17; Horned Lark, 90; Blue Jay, 158; Am. Crow, 246; Black-capped Chickadee, 924; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 6; Brown Creeper, 8; Winter Wren, 3; Carolina Wren, 1; **Mocking-bird,** 1 (J.K.); Catbird, 1; Am. Robin, 5; Hermit Thrush, 2; Eastern Bluebird, 48; Golden-crowned Kinglet, 9; Cedar Waxwing, 24; Gray Shrike, 1; Common Starling, 1434; Myrtle Warbler, 1217; Pine Warbler, 1; **Palm Warbler,** 2 (Yellow, 1 [R.F.], Western, 1[N.H.]); **Yellow-breasted Chat,** 2 (S.E., L.G.); House Sparrow, 535; Eastern Meadowlark, 73; Red-winged Blackbird, 6; Brown-headed Cowbird, 9; **Dickcissel,** 5; Evening Grosbeak, 73; Purple Finch, 14; **Pine Grosbeak,** 2 (N.P.H.); Common Redpoll, 20; Pine Siskin, 16; Am. Goldfinch, 14; **Red Cross-bill,** 2 (R.G.); Eastern Towhee, 1; Ipswich Sparrow, 1; Savannah Sparrow, 9; Sharp-tailed Sparrow, 3; Seaside Sparrow, 6; Slate-colored Junco, 26; Am. Tree Sparrow, 166; **Chipping Sparrow,** 2 (R.H.); Field Sparrow, 1; White-throated Sparrow, 88; Swamp Sparrow, 14; Song Sparrow, 98; Lapland Longspur, 3; Snow Bunting, 81. **Total,** 117 species (1 additional subspecies); about 22,770 individuals. (Jan. 1: Loggerhead Shrike, 2; Fox Sparrow, 2; Jan. 3: Bald Eagle, 1; Greater Yellow-legs, 4.) [Careful details submitted for all unusual records—Ed.]—Eleanor Barry, Mr. and Mrs. John Beattie, Robert Benjamin, Richard Bowen, Edwin Chandler, Henry Cutler, Richard Eaton, Samuel Eliot, Mrs. Maurice Emery, David Emerson, Robert Fox, Murray Gardler, Richard Gordon, Ludlow Griscom, Mr. and Mrs. Henry Halberg, Norman Hill, Richard Hinchman, Mr. and Mrs. Daniel Johnson, James Keith, Richard Kleber, William Long, Mr. and Mrs. Carl Lund, Donald Manchester, Allen Morgan, Henry Parker (compiler), Douglas Sands, Donald Southall, Judith Vogel, Henry White.

46. Falmouth, Mass. (Bourne Village south along coast to Woods Hole and east to Falmouth Heights). —Dec. 28; 7 a.m. to 4 p.m. Clear in a.m., cloudy in p.m.; temp. 38 °to 36°; wind E, 6-10 m.p.h.; snow patches in woods, fresh-water ponds open. Seven observers in 3 parties. Total party-hours, 36 (10 on foot, 26 by car); total party-miles, 375 (20 on foot, 355 by car). Common Loon, 25; Red-necked Grebe, 1; Horned Grebe, 25; Pied-billed Grebe, 5; European Cormorant, 30; Great Blue Heron, 2; Am. Bittern, 1; Mallard, 15; Black Duck, 15; European Widgeon, 2 [no details—Ed.]; Am. Widgeon, 110; Green-winged Teal, 1; Ring-necked Duck, 15; Greater Scaup, 80; Am. Golden-eye, 40; Buffle-head, 17; Old-squaw, 4; White-winged Scoter, 1; Red-breasted Merganser, 350; Bob-white, 18; Ring-necked Pheasant, 4; Am. Coot, 6; Wilson's Snipe, 1; Purple Sandpiper, 2; Great Black-backed Gull, 15; Herring Gull, 100; Bonaparte's Gull, 300; Belted Kingfisher, 3; Yellow-shafted Flicker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 2; Blue Jay, 10; Am. Crow, 30; Black-capped Chickadee, 24; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 2; Catbird, 1; Am. Robin, 6; Eastern Bluebird, 1; Common Starling, 425; Myrtle Warbler, 18; House Sparrow, 12; Eastern Meadow-lark, 8; Evening Grosbeak, 60; Purple Finch, 6; Am. Goldfinch, 4; White-winged Crossbill, 28; Slate-colored Junco, 6; Am. Tree Sparrow, 4; **Chipping Sparrow,** 1 (at feeder for several days, carefully studied—C.M.C.); White-throated Sparrow, 3; Fox Sparrow, 1; Song Sparrow, 3. **Total,** 53 species; about 1848 individuals. (Seen in area Dec. 27: Harlequin Duck, 2; Ruddy Duck, 1; Sharp-shinned Hawk, 1; Sparrow Hawk, 1; Ring-billed Gull, 4; Pine Siskin, 1.)—Dr. (compiler) and Mrs. Charles M. Crain, Mae M. Crain, Ethel M. Crowell, Dorothy D. Fordyce, Mrs. Edward M. Johnson, Ray Swanberg.

47. Greenfield, Mass. (7½-mile radius centering on Franklin County Fair Grounds; fields and meadows 40%, woodlands 20%, populated areas 15%, marshland 15%, water areas 10%).—Dec. 26; 7:45 a.m. to 4:30 p.m. Clear, clouding in afternoon; temp. 10° to 28°; wind N, 0-10 m.p.h.; ground bare, ponds iced over, river mainly unfrozen. Twenty-five observers in 12 parties (5 at home feeding stations). Total party-hours, 72 (29 on foot, 43 by car); total party-miles, 437 (39 on foot, 398 by car). Mallard, 1; Black Duck, 15; Am. Golden-eye, 27; Am. Merganser, 20; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Sparrow Hawk, 4; Ruffed Grouse, 7; Ring-necked Pheasant, 5; Wilson's Snipe, 2; Herring Gull, 10; Screech Owl, 1; Belted Kingfisher, 3; Pileated Woodpecker, 4; Hairy Woodpecker, 20; Downy Woodpecker, 32; Horned Lark, 9; Blue Jay, 283; Am. Crow, 548; Black-capped Chickadee, 310; White-breasted Nuthatch, 43; Red-breasted Nuthatch, 4; Brown Creeper, 1; Winter Wren, 1; **Carolina Wren,** 1 [no details—Ed.]; Am. Robin, 1; Golden-crowned Kinglet, 8; Gray Shrike, 1; Common Starling, 1558; House Sparrow, 1509; Purple Grackle, 6; Brown-headed Cowbird, 16; Cardinal, 1; Evening Grosbeak, 485; Pine Grosbeak, 157; Am. Goldfinch, 228; Slate-colored Junco, 224; Am. Tree Sparrow, 895; Swamp Sparrow, 1; Song Sparrow, 9; Snow Bunting, 50. **Total,** 41 species; about 6503 individuals. (Seen outside census circle: Canada Jay; observed in area Dec. 28: Mourning Dove, 2; Rusty Blackbird, Pine Siskin.)—Mrs. Carlos Allen, John L. Bagg, Elizabeth Boyden, Clifford Clark, Mr. and Mrs. Harland Clark, Arthur Green, Caroline Hamilton, Mrs. Ruth Harlow, Mr. and Mrs. Robert Harrington, Harriet Harris, Mr. and Mrs. David Hirth, Charles Johnson, Mr. and Mrs. Wallace Jones, Paul Kemp, Jr., Edward Norman, William Osgood, Mrs. Erwin Reed, Mrs. Stanley Reid, Cristobel Rockwood, Glenn A. Weeks (compiler), Mrs. Donald Wood.

48. Holyoke, Mass. (Mt. Tom to Conn. line; same area as in past counts; river bottomlands 25%, fields 25%, river 15%, suburbs 15%, woodlands 10%, city park 5%, cattail marsh 5%).—Dec. 26; 7 a.m. to 5 p.m. Clear; temp. 16° to 36°; wind calm; ground bare, ponds frozen, Conn. River open, with floating ice. One observer. Total hours, 10 (5 on foot, 5 by car); total miles, 50 (5 on foot, 45 by car). Black Duck, 234; **Wood Duck,** 4; Am. Golden-eye, 6; Am. Merganser, 22; Sparrow Hawk, 1; Ruffed Grouse, 1; Ring-necked Pheasant, 2; **Great Black-backed Gull,** 1 (adult); Herring Gull, 125; Ring-billed Gull, 1; Hairy Woodpecker, 2; Downy Woodpecker, 4; Horned Lark, 50; Blue Jay, 13; Am. Crow, 54; Black-capped Chickadee, 38; White-breasted Nuthatch, 4; Brown Creeper, 1; Golden-crowned Kinglet, 6; Common Starling, 400; House Sparrow, 250; Pine Grosbeak, 3; Pine Siskin, 92; Am. Goldfinch, 4; Slate-colored Junco, 16; Am. Tree Sparrow, 66; Swamp Sparrow, 3; Song Sparrow, 11. **Total,** 28 species; about 1414 individuals.—Aaron M. Bagg.

49. Jamaica Plain—Brookline, Mass. (1½-mile radius centering at Children's Museum, including Arnold Arboretum, Sargent Estate, and Jamaica, Ward's and Leverett's Ponds; municipal park area 80%, ponds and streams 10%, mixed woods 10%).—Dec. 27; 8 a.m. to 4 p.m. Clear, becoming partly cloudy; temp. 35° to 40°; wind SW, 4-7 m.p.h.; ground covered with 2-4-in. soft snow, roads and paths bare, small ponds frozen, large ones ½ frozen. Eight observers in 1 party. Total party-hours, 8; total party-miles, 12 (all on foot). Pied-billed Grebe, 4; Mallard, 150; Black Duck, 350; Am. Widgeon, 7; Lesser Scaup, 25; Am. Golden-eye, 2; Ruddy Duck, 1; Am. Merganser, 4; Cooper's Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 6; Am. Coot, 36; Great Black-backed Gull, 26; Herring Gull, 1350; Ring-billed Gull, 3; Barred Owl, 1; Yellow-shafted Flicker, 6; Hairy Woodpecker, 2; Downy Woodpecker, 3; Blue Jay, 12; Am. Crow, 31; Black-capped Chickadee, 9; White-breasted Nuthatch, 1; Am. Robin, 1; Golden-crowned Kinglet, 1; Cedar Waxwing, 13; Common Starling, 195; House Sparrow, 36; Am. Goldfinch, 10; Slate-colored Junco, 49; Am. Tree Sparrow, 7; White-throated Sparrow, 4; Fox Sparrow, 3; Song Sparrow, 17. **Total,** 34 species; about 2331 individuals. (Seen in area same day by Arnold Arboretum crew: Mockingbird, 1.)—Roger Bradley, David Coutts, Paul Deveau, Miriam E. Dickey (compiler), Edward Foley, Francis Foley, Thomas McKenna, Richard Mosher (Children's Museum Bird Club).

50. Lynn, Mass. (7½-mile radius centering in Wyomah Square, including a portion of Revere, Nahant, Marblehead, Lynnfield, Wakefield, Reading, Saugus, Salem, Danvers, Peabody, Beverly and Swampscott; pastures 15%, town suburbs 50%, deciduous woodlots 10%, cattail marsh 5%, ocean shoreline 20%).—Jan. 1; 8 a.m. to 5 p.m. Clear and cool; temp. 20° to 50°; wind N, 0-5 m.p.h. Thirty-six observers in 6 parties. Total party-hours, 54 (4 on foot, 50 by car); total party-miles, 145 (30 on foot, 115 by car). Common Loon, 32; Red-throated Loon, 2; Horned Grebe, 164; Pied-billed Grebe, 5; European Cormorant, 189; Black-crowned Night Heron, 1; Mallard, 93 [wild?—Ed.]; Black Duck, 1257; Am. Widgeon, 4; Greater Scaup, 3598; Lesser Scaup, 33; Am. Golden-eye, 394; Buffle-head, 196; Old-squaw, 98; Common Eider, 16; White-winged Scoter, 1390; Surf Scoter, 5; Am. Scoter, 78; Hooded Merganser, 9; Am. Merganser, 626; Red-breasted Merganser, 68; Red-shouldered Hawk, 1; Sparrow Hawk, 9; Ring-necked Pheasant, 9; Am. Coot, 5; Killdeer, 4; Purple Sandpiper, 222; Great Black-backed Gull, 64; Herring Gull, 2454; Bonaparte's Gull, 50; Black Guillemot, 2; Mourning Dove, 27; Screech Owl, 1; Horned Owl, 1; Yellow-shafted Flicker, 11; Hairy Woodpecker, 4; Downy Woodpecker, 13; Blue Jay, 47; Am. Crow, 137; Black-capped Chickadee, 83; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 7; Brown Creeper, 1; Mockingbird, 1 [no details—Ed.]; Am. Robin, 4; Golden-crowned Kinglet, 2; Cedar Waxwing, 3; Gray Shrike, 2; Common Starling, 847; Myrtle Warbler, 2; House Sparrow, 235; Eastern Meadowlark, 2; Red-winged Blackbird, 1; Brown-headed Cowbird, 1; Evening Grosbeak, 60;

Purple Finch, 15; Pine Grosbeak, 20; Common Redpoll, 5; Pine Siskin, 10; Am. Goldfinch, 57; Red Crossbill, 6; White-winged Crossbill, 7; Savannah Sparrow, 1; Slate-colored Junco, 50; Am. Tree Sparrow, 74; White-throated Sparrow, 2; Fox Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 17; Lapland Longspur, 2; Snow Bunting, 8. **Total,** 71 species; about 12,851 individuals.—L. L. Jameson (compiler), E. A. Jameson, M. Argue, A. A. Argue, L. T. Little, M. Fowler, E. R. Riggs, H L. Strickland, D. Strickland, T. Banes, C. Banes, D. Searle, H. L. Lewis, M. Lewis, H. Brown, M. Hines, R. Tate, O. Thisland, T. D. Sargent, W. Foley, G. Burgess "and 15 others whose names we did not get."

51. Newburyport, Mass. (same territory as last 15 years).—Dec. 26; 5 a.m. to 7:30 p.m. Clear; temp. 10° to 30°; wind SW, 3-5 m.p.h.; ground covered with snow, ponds frozen. Twenty-eight observers in 8 parties. Total party-hours, 70 (15 on foot, 55 by car); total party-miles, 265 (18 on foot, 247 by car). Common Loon, 29; Red-throated Loon, 13; Red-necked Grebe, 9; Horned Grebe, 257; Pied-billed Grebe, 1; Gannet, 8; Great Blue Heron, 2; **Am. Bittern,** 1; Canada Goose, 612; **Snow Goose,** 2; **Blue Goose,** 1; Mallard, 1; Black Duck, 3684; Green-winged Teal, 1; Greater Scaup, 2031; Am. Golden-eye, 540; Buffle-head, 577; Old-squaw, 170; White-winged Scoter, 24; Surf Scoter, 2; Am. Merganser, 23; Red-breasted Merganser, 23; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 5; Rough-legged Hawk, 2; Bald Eagle, 3; Marsh Hawk, 5; Sparrow Hawk, 6; Ruffed Grouse, 4; Ring-necked Pheasant, 36; Purple Sandpiper, 2; Great Black-backed Gull, 58; Herring Gull, 1721; Ring-billed Gull, 13; **Black-headed Gull,** 1; Bonaparte's Gull, 74; Black-legged Kittiwake, 20; **Razor-billed Auk,** 41; Mourning Dove, 24; Screech Owl, 1; Snowy Owl, 2; Long-eared Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 6; Hairy Woodpecker, 13; Downy Woodpecker, 61; Horned Lark, 50; Blue Jay, 157; Am. Crow, 350; Black-capped Chickadee, 381; **Brown-capped Chickadee,** 2; White-breasted Nuthatch, 38; Red-breasted Nuthatch, 7; Brown Creeper, 4; Am. Robin, 4; Hermit Thrush, 1; Eastern Bluebird, 3; Golden-crowned Kinglet, 8; Gray Shrike, 9; Common Starling, 1401; Myrtle Warbler, 19; **Pine Warbler,** 1; House Sparrow, 626; Eastern Meadowlark, 6; **Black-headed Grosbeak,** 1, Brown-headed Cowbird, 1; **Dickcissel,** 1; Evening Grosbeak, 355; Purple Finch, 40; Pine Grosbeak, 65; Am. Goldfinch, 135; White-winged Crossbill, 2; Savannah Sparrow, 1; Slate-colored Junco, 190; **Oregon Junco,** 3; Am. Tree Sparrow, 281; White-throated Sparrow, 3; Fox Sparrow, 2; Swamp Sparrow, 1; Song Sparrow, 17; Lapland Longspur, 15; Snow Bunting, 167. **Total,** 83 species; about 14,465 individuals. (Black-headed Grosbeak, Dickcissel and Brown-capped Chickadees frequenting feeding stations. Blue Goose and Snow Geese seen on Parker River Wildlife Refuge by Warden Stanwood and others. Black-headed Gull present in Newburyport harbor for some time.)—Mrs. D. C. Alexander, D. C. Alexander (compiler), Mr. and Mrs. Arthur Argue, Mr. and Mrs. Thomas Banes, Eleanor Barry, Edgar Batchelder, Mr. and Mrs. Charles Chang, Clara DeWindt, Frances Elkins, Ruth Emery, Mr. and Mrs. Elmer Foye, Ludlow Griscom, Dr. S. K. Harris, Juliet Kellogg, Natalie B. King, Richard Kleber, Dr. and Mrs. Stephen Maddock, Allen H. Morgan, Robert T. Paine III, E. Stanwood, Mr. and Mrs. H. L. Strickland, Donald Strickland.

52. Northampton, Mass. (same circle as in last 20 years).—Dec. 26; 6 a.m. to 5:30 p.m. Overcast and raw to fair and mild; temp. 20° to 35°; wind NE early, then SW, barely perceptible; ground bare, river high with much ice floating. Sixty-nine observers (38 near their homes, 31 afield in 18 parties, 13 with cars, 5 on foot). Mallard, 13; Black Duck, 346; Am. Golden-eye, 26; Am. Merganser, 17; Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Red-shouldered Hawk, 1; Sparrow Hawk, 7; Ruffed Grouse, 6; Ring-necked Pheasant, 80; Herring Gull, 19; Ring-billed Gull, 3; Mourning Dove, 5; Screech Owl, 2; Horned Owl, 9; Belted Kingfisher, 2; Pileated Woodpecker, 8; Hairy Woodpecker, 38; Downy Woodpecker, 69; **Eastern Phoebe,** 1 (still alive Jan. 3); Horned Lark, 110 (1 with the white superciliary of either Prairie or Hoyt's subspecies); Blue Jay, 169; Am. Crow, 962; Black-capped Chickadee, 500; **Brown-capped Chickadee,** 1; White-breasted Nuthatch, 74; Red-breasted Nuthatch, 6; Brown Creeper, 7; Winter Wren, 1; Golden-crowned Kinglet, 5 (unexpectedly few); **Ruby-crowned Kinglet,** 1; Gray Shrike, 1; Loggerhead Shrike, 1; Common Starling, 2096; House Sparrow, 1181; Red-winged Blackbird, 6; Evening Grosbeak, 423; Purple Finch, 3; Pine Grosbeak, 217; Common Redpoll, 60 (3 flocks); Pine Siskin, 37; Am. Goldfinch, 249; Slate-colored Junco, 155; Am. Tree Sparrow, 760; Field Sparrow, 5; White-throated Sparrow, 4; Swamp Sparrow, 4; Song Sparrow, 34; Lapland Longspur, 2; Snow Bunting, 86. **Total,** 50 species (1 additional subspecies); about 7817 individuals. (Near but outside the circle: Barred Owl, **Red-headed Woodpecker, Bullock's Oriole,** the last two, regular since late November. Seen within the circle Dec. 27: White-winged Crossbill, flock; Dec. 28: Eastern Meadowlark, 8.)—Mr. and Mrs. Paul Adams, Mrs. Malcolm Bagg, Mr. and Mrs. Vernon Bagg, Mr. and Mrs. R. L. Ballman, L. M. Bartlett, Glenn Bennett, Elizabeth Boyd, Alma Brown, Mrs. K. M. Bullis, E. J. Burt, R. M. Clark, R. L. Coffin, P. J. Cote, Arthur Cragin, D. H. Crompton, Mrs. M. A. Dickinson, Jr., Stephen Donachie, Marion Durgin, S. A. Eliot (compiler), Margaret Ellsworth, Mrs. R. W. Fessenden, Mr. and Mrs. O. S. Flint, Jr., R. F. French, Charles, Dwight, and John Graves, Mrs. Edward Hazen, Wayne Holdsman, Elizabeth W. Hooker, Raymond Johnston, Mrs. Harry Kidger, Mrs. L. E. King, Asa Kinney, Mrs. S. P. Lamprecht, Mrs. Herbert Lang, Mr. and Mrs. Bruce LaPierre, J. J. Madeira, Mrs. Harold Martin, Mr. and Mrs. A. J. Miller, Mrs. William Millette, Mrs. Charles Morgan, W. B. Nutting, Mrs. L. B. Packard, Esther Pollard, Mrs. Homer Preston, Mr. and Mrs. W. S. Quirk, Mr. and Mrs. D. A. Riedel, Evelyn Russell, Mrs. Arthur Ryan, Mr. and Mrs. F. A. Saunders, Mrs. John Sessions, Mr. and Mrs. E. C. Staples, Louisa Stevenson,

R. H. Stone, Mrs. Donald Tait, Mrs. George Tyler, Mrs. Edwin Warner, Miss A. L. Williams, Charles Yegian.

53. **Mt. Greylock, Adams, Mass.** (highest point in Mass.; from elevation 2400 ft. on Rockwell Rd. north to Stony Ledge, then to summit, 3491 ft. and along Notch Rd. to Tall Spruces, 2250 ft.; roads and paths through spruce-balsam-hardwood forest).—Dec. 31; 8 a.m. to 4:30 p.m. Mostly cloudy; temp. 13° to 25°; wind NNE, 0-10 m.p.h.. 3-36-in. snow. Three observers together on foot. Total party-hours, 7½; total party-miles, 15. Goshawk, 1; Ruffed Grouse, 4; Barred Owl, 1; Downy Woodpecker, 11; Blue Jay, 15; Black-capped Chickadee, 40; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 3; Golden-crowned Kinglet, 1; Evening Grosbeak, 30; Pine Grosbeak, 7; Common Redpoll, 90; Pine Siskin, 20; Am. Goldfinch, 10; Snow Bunting, 60. **Total,** 15 species; 297 individuals.—(While no species was unexpected for mountain, the number found, both species and individuals, was exceptionally large for this time of year.) —George Allen, Edwin Allen, William F. Noble, Jr. (compiler) (Hoffmann Bird Club).

54. **Pittsfield, Mass.** (about same area as previously; from Richmond line and Brielman's swamp on south to Balance Rock Park and Berkshire on north; woodlands 45%, swamp 5%, open country 40%, roads 10%).—Dec. 26; 7:30 a.m. to 4 p.m. Partly cloudy; temp. 20° to 35°; wind WSW, 0-5 m.p.h.; still water frozen, rivers and streams open. Twelve observers in 6 parties. Total party-hours, 26 (8 on foot, 12 at feeders, 6 by car); total party-miles, 103 (12 on foot, 91 by car). Mallard, 1; Black Duck, 7; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Ruffed Grouse, 1; Belted Kingfisher, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 3; Blue Jay, 20; Am. Crow, 10; Black-capped Chickadee, 37; White-breasted Nuthatch, 5; Brown Creeper, 7; Common Starling, 200; House Sparrow, 40; Evening Grosbeak, 123+; Pine Grosbeak, 20; Common Redpoll, 80; Am. Goldfinch, 9; White-winged Crossbill, 16; Am. Tree Sparrow, 70; Snow Bunting, 2. **Total,** 23 species; 657 individuals.—Edna Dunbar, Mr. and Mrs. Elmore J. Fitz, Bartlett Hendricks (compiler), Mrs. James Keith, Mrs. D. D. MacCarthy, William F. Noble, Jr., Mrs. A. T. Shaw, Gladys Schumacher, Ruth Schumacher, Mr. and Mrs. Leonard C. Sweitzer (Hoffmann Bird Club).

55. **Quincy, Mass.** (Squantum, Moon Island, Wollaston, Milton, Braintree, Hingham, Hull; shore 60%, salt marsh 10%, open woods and park 25%, residential 5%).—Dec. 26; 7 a.m. to 4:30 p.m. Clear; temp. 10° to 40°; wind NW to W, 10-15 m.p.h.; ground covered 75% with old snow, fresh-water ponds frozen. Ten observers in 3 parties. Total party-hours, 28 (21 on foot, 7 by car); total party-miles, 139 (14 on foot, 125 by car). Common Loon, 9; Red-throated Loon, 3; Horned Grebe, 11; European Cormorant, 79; **Double-crested Cormorant,** 1 (carefully identified); Great Blue Heron, 1; Black-crowned Night Heron, 26; Canada Goose, 7; Mallard, 16; Black Duck, 1269; Pintail, 1; Greater Scaup, 7600; Am. Golden-eye, 529; Buffle-head, 229; Old-squaw, 2; Common Eider, 1; White-winged Scoter, 48; Surf Scoter, 1; Am. Scoter, 5; Am. Merganser, 3; Red-breasted Merganser, 981; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Peregrine Falcon, 1; Sparrow Hawk, 9; Ring-necked Pheasant, 3; Killdeer, 2; Purple Sandpiper, 33; Sanderling, 18; Iceland Gull (Kumlien's), 4; Great Black-backed Gull, 53; Herring Gull, 28,800; Ring-billed Gull, 11; Bonaparte's Gull, 68; Mourning Dove, 1; Snowy Owl, 1; Short-eared Owl, 5; Yellow-shafted Flicker, 6; Hairy Woodpecker, 3; Downy Woodpecker, 13; Horned Lark, 120; Blue Jay, 24; Am. Crow, 57; Black-capped Chickadee, 97; **Brown-capped Chickadee,** 1; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 2; Catbird, 2; **Brown Thrasher,** 1; Am. Robin, 5; Cedar Waxwing, 3; Common Starling, 40,000; Myrtle Warbler, 23; House Sparrow, 432; Eastern Meadowlark, 14; **Baltimore Oriole,** 1 (at feeder); Purple Grackle, 1; Evening Grosbeak, 48; Purple Finch, 18; Pine Grosbeak, 5; Common Redpoll, 7; Pine Siskin, 1; Am. Goldfinch, 22; Savannah Sparrow, 6; Slate-colored Junco, 73; Am. Tree Sparrow, 46; Field Sparrow, 1; White-throated Sparrow, 4; Swamp Sparrow, 4; Song Sparrow, 18; Lapland Longspur, 1; Snow Bunting, 40. **Total,** 74 species; about 80,943 individuals.—R. Fox, W. Hanley, S. Higginbotham, Louise Lee, D. Mills, Mr. and Mrs. J. Nelson, Jane O'Regan, D. Whitehead, G. Wilson.

56. **Ware, Mass.** (east to Hardwick, West Brookfield and Warren, south on Ware River to Palmer Airport, north along Muddy Brook to Hardwick Pond, west to lower Quabbin Reservoir and watershed; town gardens 5%, farmland 20%, woodland 15%, marsh 20%, reservoirs and watersheds 40%).—Dec. 27; 7 a.m. to 4 p.m. Fair to lightly overcast; temp. 6° to 40°; wind S to SW, 0-20 m.p.h.; 1-2-in. old snow in woods, reservoir open, ponds frozen, rivers and brooks partly frozen. Seventeen observers in 6 parties. Total party-hours, 45 (28 on foot, 17 by car); total party-miles, 70 (25 on foot, 45 by car). Great Blue Heron, 1; Mallard, 6; Black Duck, 455; Pintail, 1; Greater Scaup, 8; Am. Golden-eye, 32; Hooded Merganser, 28; Am. Merganser, 343; Red-tailed Hawk, 7; Bald Eagle, 4; Sparrow Hawk, 1; Ruffed Grouse, 14; Ring-necked Pheasant, 10; Herring Gull, 400; **Ring-billed Gull,** 6; Barred Owl, 1; Hairy Woodpecker, 8; Downy Woodpecker, 9; Blue Jay, 145; Am. Crow, 85; Black-capped Chickadee, 174; **Brown-capped Chickadee,** 1 [no details—Ed.]; White-breasted Nuthatch, 19; Red-breasted Nuthatch, 1; Brown Creeper, 4; Am. Robin, 1; Golden-crowned Kinglet, 11; Gray Shrike, 1; Common Starling, 350; House Sparrow, 117; Evening Grosbeak, 128; Purple Finch, 15; Pine Grosbeak, 61; Common Redpoll, 56; Pine Siskin, 22; Am. Goldfinch, 29; Slate-colored Junco, 68; Am. Tree Sparrow, 191; Song Sparrow, 7. **Total,** 39 species; about 2820 individuals. (Seen in area Dec. 30: Mourning Dove, 1.)—L. G. Albertine, L. G. Albertine, Jr., M. E. Albertine, S. T. Berube, W. H. Berube, L. A. Campbell, L. M. Campbell, D. D. Conkey, J. H. Conkey (compiler), M. A.

Descoteaux, N. A. Descoteaux, M. D. Granger, P. Klem, R. Klem, L. R. Marland, D. McPhetres, G. W. McPhetres (Quabbin Bird Club).

57. **Wellesley, Mass.** (7½-mile radius centering on Wellesley Junior High School; town suburbs 75%, deciduous woods 15%, Hemlock groves 5%, farmland 5%).—Dec. 28; 8:15 a.m. to 3 p.m. Clear; temp. 30° to 40°; wind NE, 3 m.p.h. Twenty-three observers in 7 parties. Total party-hours, 34 (16 on foot, 18 by car); total party-miles, 35 (10 on foot, 25 by car). Mallard, 7; Black Duck, 51; Green-winged Teal, 1; Lesser Scaup, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 16; Herring Gull, 17; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 24; Blue Jay, 193; Am. Crow, 129; Black-capped Chickadee, 237; White-breasted Nuthatch, 48; Brown Creeper, 1; Am. Robin, 1; Golden-crowned Kinglet, 7; Common Starling, 585; House Sparrow, 294; Dickcissel, 1; Evening Grosbeak, 21; Purple Finch, 3; Pine Grosbeak, 13; Common Redpoll, 1; Am. Goldfinch, 47; Slate-colored Junco, 150; Oregon Junco, 1 [not even underlined as unusual and no details—Ed.]; Am. Tree Sparrow, 28; White-throated Sparrow, 2; Swamp Sparrow, 3; Song Sparrow, 35. **Total,** 33 species; about 1929 individuals.—D. Sands (compiler), V. Shaw, V. Sleigh, H. Palmer, R. Brown, C. Brown, E. Cleveland, D. Doyle, N. Huff, M. Gardler, D. Freeland, M. Witherell, S. Baker, J. White, M. Mirando, J. Downy, H. Parker, J. Edel, K. Hamilton, D. Olson, A. Railsback, B. Railsback, D. Burke.

58. **Newport County, R. I., and Westport, Mass.** (same as last 5 years, but no boat trip).—Dec. 26; 6:15 a.m. to 4:30 p.m. Clear, some high cirrus; temp. 17° to 31°; wind calm to S, 5 m.p.h.; remnant snow patches, interior ponds frozen, coastal ponds slightly open. Thirty-two observers in 10 parties. Total party-hours, 102 (54 on foot, 48 by car); total party-miles, 318 (70 on foot, 248 by car). Common Loon, 89; Red-throated Loon, 119; Red-necked Grebe, 12; Horned Grebe, 532; Pied-billed Grebe, 20; Gannet, 1; European Cormorant, 299; Great Blue Heron, 39; Black-crowned Night Heron, 5; Am. Bittern, 3; Mute Swan, 10; Canada Goose, 200; Mallard, 35; Black Duck, 1800; Am. Widgeon, 130; Pintail, 129; Green-winged Teal, 8; Shoveller, 1; Redhead, 1; Greater Scaup, 3244; Lesser Scaup, 65; Am. Golden-eye, 1046; Buffle-head, 167; Common Eider, 8; White-winged Scoter, 357; Surf Scoter, 49; Am. Scoter, 23; Ruddy Duck, 124; Hooded Merganser, 12; Am. Merganser, 129; Red-breasted Merganser, 767; Sharp-shinned Hawk, 2; Cooper's Hawk, 6; Red-tailed Hawk, 4; Red-shouldered Hawk, 4; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 5; **Pigeon Hawk,** 1 imm. (Woodruff); Sparrow Hawk, 35; **Osprey,** 1 (R.B., S.D., R.W.); Ruffed Grouse, 1; Bob-white, 6; Ring-necked Pheasant, 25; Clapper Rail, 1; Virginia Rail, 1; Am. Coot, 108; Black-bellied Plover, 2; Wilson's Snipe, 8; **Lesser Yellow-legs,** 1 (Wood); Purple Sandpiper, 139; Red-backed Sandpiper, 255; Sanderling, 3; Great Black-backed Gull, 241; Herring Gull, 2140; Ring-billed Gull, 203; Bonaparte's Gull, 321; **Razor-billed Auk,** 3; Mourning Dove, 120; Barn Owl, 2; Screech Owl, 1; Horned Owl, 6; Barred Owl, 2; Long-eared Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 11; Yellow-shafted Flicker, 54; Hairy Woodpecker, 25; Downy Woodpecker, 30; Horned Lark, 456; Blue Jay, 72; Am. Crow, 3124; **Fish Crow,** 4 (H.E.C., R.C.C.); Black-capped Chickadee, 284; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 9; Brown Creeper, 2; Winter Wren, 4; Carolina Wren, 13; Long-billed Marsh Wren, 1; Catbird, 2; Brown Thrasher, 4; Am. Robin, 21; Hermit Thrush, 9; Golden-crowned Kinglet, 3; Water Pipit, 2; Cedar Waxwing, 2; **Loggerhead Shrike,** 6; Common Starling, 3420; Myrtle Warbler, 462; **Pine Warbler,** 1; **Yellow-breasted Chat,** 1 (Dean); House Sparrow, 708; Eastern Meadowlark, 264; Red-winged Blackbird, 6; Brown-headed Cowbird, 155; **Dickcissel,** 2; Evening Grosbeak, 5; Purple Finch, 17; Pine Siskin, 1; Am. Goldfinch, 46; White-winged Crossbill, 21; Eastern Towhee 3; Ipswich Sparrow, 1; Savannah Sparrow, 13; Sharp-tailed Sparrow, 2; **Seaside Sparrow,** 1 (Dean); Slate-colored Junco, 171; Am. Tree Sparrow, 192; Field Sparrow, 19; White-throated Sparrow, 170; Fox Sparrow, 4; Swamp Sparrow, 15; Song Sparrow, 100; Snow Bunting, 3. **Total,** 115 species; about 23,025 individuals. [Careful details submitted for all unusual observations—Ed.]—R. Bowen, B. D. Bryan, H. E. Childs, R. C. Clement (compiler), T. M. Curry, S. S. Dana, Mrs. A. G. Davenport, W. B. Dean, W. H. Drury, Jr., D. L. Emerson, R. Ferrin, C. C. Gardiner, H. J. Gates, Mrs. R. Hentershee, N. P. Hill, J. Keary, D. L. Kraus, I. M. Leven, Frances Perry, R. T. Peterson, C. S. Petty, Barbara Proctor, G. Rae, B. S. Ridgely, Mrs. J. Riley, Mrs. L. Rotchford, Mrs. M. Smith, G. Troy, Elisabeth Weeks, R. West, C. Wood, R. Woodruff.

59. **South Kingstown, R. I.** (same area as last four years).—Jan. 1; 6:30 a.m. to 5 p.m. Clear; temp. 26° to 45°; wind SW, 0-2 m.p.h.; ground bare and unfrozen, all water open. Seventeen observers in 3 parties. Total party-hours, 31½ (22 on foot, 9½ by car); total party-miles, 142 (22 on foot, 120 by car). Common Loon, 37; Red-throated Loon, 41; Horned Grebe, 110; Pied-billed Grebe, 6; European Cormorant, 410; Great Blue Heron, 20; Am. Bittern, 2; Mute Swan, 5; Canada Goose, 57; Mallard, 15; Black Duck, 415; Am. Widgeon, 36; Redhead, 20; Ring-necked Duck, 10; Canvas-back, 47; Greater Scaup, 1700; Lesser Scaup, 1; Am. Golden-eye, 210; Buffle-head, 40; White-winged Scoter, 11; Surf Scoter, 9; Am. Scoter, 2; Ruddy Duck, 5; Am. Merganser, 61; Red-breasted Merganser, 255; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Bald Eagle, 1; Marsh Hawk, 3; Peregrine Falcon, 1; Sparrow Hawk, 14; **Virginia Rail,** 1; Am. Coot, 7; **Black-bellied Plover,** 2; Wilson's Snipe, 1; Purple Sandpiper, 75; Great Black-backed Gull, 90; Herring Gull, 1020; Ring-billed Gull, 50; Bonaparte's Gull, 6; Mourning Dove, 53; Horned Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 20; Hairy Woodpecker, 6; Downy Woodpecker, 10; Horned Lark,

285; Blue Jay, 48; Am. Crow, 140; Black-capped Chickadee, 200; **Tufted Titmouse,** 1 (at feeder all month); White-breasted Nuthatch, 4; Red-breasted Nuthatch, 4; Brown Creeper, 2; Carolina Wren, 2; Long-billed Marsh Wren, 1; Catbird, 1; Am. Robin, 7; Hermit Thrush, 1; Eastern Bluebird, 24; Golden-crowned Kinglet, 2; **Loggerhead Shrike,** 2; Common Starling, 2850; Myrtle Warbler, 310; House Sparrow, 220; Eastern Meadowlark, 65; Red-winged Blackbird, 2; Purple Grackle, 10; **Dickcissel,** 1 (carefully identified); Evening Grosbeak, 50; Purple Finch, 25; Am. Goldfinch, 20; Savannah Sparrow, 11; Vesper Sparrow, 1; Slate-colored Junco, 75; Am. Tree Sparrow, 52; Field Sparrow, 3; White-throated Sparrow, 50; Song Sparrow, 12. **Total,** 80 species; about 9375 individuals.—Mr. and Mrs. T. M. Curry, Jr., Mrs. M. G. Davenport, Eleanor Dearborn, R. N. Finelli, Jr., Mr. and Mrs. J. H. Gates, Mrs. K. B. Kinsey, D. L. Kraus (compiler), Helen Murdock, Mrs. E. G. Parker, Frances Perry, C. G. Peabody, J. B. Peabody, G. Rae, Elisabeth Weeks, R. West (Little Rest Bird Club).

60. Hartford, Conn. (7½-mile radius centering at Old State House, including Hartford, East Hartford, West Hartford, Wethersfield, and parts of South Windsor, Manchester, Glastonbury, Rocky Hill, Newington, New Britain, Farmington, Bloomfield and Windsor; city, town and suburbs 20%, woodland 20%, farm and tobacco lands 40%, marsh 5%, river banks and floodlands 10%, parks 5%).—Dec. 26; 7 a.m. to 5:30 p.m. Fair, thin ice in plowed fields; temp. 15° to 42°. Forty-three observers in 16 parties. Total party-hours, 116½ (94½ on foot, 22 by car); total party-miles, 396 (74½ on foot, 321½ by car). Great Blue Heron, 4; Black-crowned Night Heron, 1; Mallard, 50; Black Duck, 356; **Gadwall,** 1; Pintail, 6; Am. Golden-eye, 2; Am. Merganser, 143; Sharp-shinned Hawk, 1; Cooper's Hawk, 5; Red-tailed Hawk, 9; Red-shouldered Hawk, 13; Marsh Hawk, 1; Sparrow Hawk, 23; Ruffed Grouse, 1; Ring-necked Pheasant, 28; Wilson's Snipe, 1; Herring Gull, 250; Ring-billed Gull, 135; Mourning Dove, 57; Screech Owl, 3; Horned Owl, 1; Barred Owl, 2; Long-eared Owl, 4; Belted Kingfisher, 3; Yellow-shafted Flicker, 9; Pileated Woodpecker, 2; Hairy Woodpecker, 49; Downy Woodpecker, 112; Horned Lark, 313; Blue Jay, 231; Am. Crow, 2326; Black-capped Chickadee, 607; **Brown-capped Chickadee,** 1; Tufted Titmouse, 3; White-breasted Nuthatch, 109; Red-breasted Nuthatch, 4; Brown Creeper, 12; Winter Wren, 2; Am. Robin, 11; Eastern Bluebird, 1; Golden-crowned Kinglet, 4; Gray Shrike, 1; **Loggerhead Shrike,** 1; Common Starling, 5754; Myrtle Warbler, 55; House Sparrow, 1204; Eastern Meadowlark, 27; Red-winged Blackbird, 35; Rusty Blackbird, 22; Purple Grackle, 3; Brown-headed Cowbird, 301; Cardinal, 1; **Dickcissel,** 1; Evening Grosbeak, 53; Purple Finch, 150; Pine Grosbeak, 4; Pine Siskin, 58; Am. Goldfinch, 536; Savannah Sparrow, 1; Slate-colored Junco, 561; Am. Tree Sparrow, 1176; Field Sparrow, 17; White-throated Sparrow, 47; Fox Sparrow, 2; Swamp Sparrow, 15; Song Sparrow, 169; Lapland Longspur, 5. **Total,** 68 species; about 15,095 individuals.—Mrs. Percival Stark, Mrs. L. Blake Utley, Mrs. Holly Stevenson, Mrs. Charlotte Goodrich, Gladys Goodrich, Mrs. Ruth Risley, Henry Adams, Mrs. Dorothy Martyn, Doris Puriton, Mrs. Hilda Amidon, Nancy West, Martha Hatch, Mrs. Robert Hatch, E. P. Blakeney, Leo Des Jardins (compiler), G. H. Parks, Mr. and Mrs. Robert Belden, Robertine Cote, James Woodson, Thomas Shires, Mrs. Leonard French, Mr. and Mrs. E. A. Bergstrom, Lucy Bergstrom, Nancy Bergstrom, David and Robert Ames, Awanda Williamson, Victoria Schuetz, Mrs. Guck, Percy Fellow, Paul Schaeffer, Peter Islieb, Mrs. R. H. Arnold, Mr. and Mrs. Herbert Austin, John M. North, Joseph Stannard, Mrs. Thomas Rhines, Dr. Lee J. Whittles, Theodore Beach, Walter Charsky.

61. New Haven, Conn. (7½-mile radius, center New Haven Green; Long Island Sound shore, Oyster River on west to Pine Orchard harbor on east).—Dec. 26; 6:30 a.m. to 4:30 p.m. Clear; temp. 24° to 36°; wind WNW, 0-15 m.p.h.; ground clear of snow, fresh water open, very little ice. Nine observers in 3 parties. Total party-hours, 67 (30 on foot, 37 by car); total party-miles, 86 (9 on foot, 77 by car). Red-throated Loon, 1; Horned Grebe, 20; Pied-billed Grebe, 5; Black-crowned Night Heron, 2; Mallard, 18; Black Duck, 265; Am. Widgeon, 195; Redhead, 94; Ring-necked Duck, 125; Canvas-back, 7; Greater Scaup, 30; Lesser Scaup, 420; Am. Golden-eye, 118; Buffle-head, 13; Old-squaw, 8; White-winged Scoter, 9; Hooded Merganser, 1; Am. Merganser, 65; Red-breasted Merganser, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Sparrow Hawk, 3; Ruffed Grouse, 3; Killdeer, 10; **Marbled Godwit,** 1 (A.B., Mrs. W.D., Mrs. N.D., Mrs. P.S.) [no details—Ed.]; Great Black-backed Gull, 32; Herring Gull, 900; Ring-billed Gull, 440; Bonaparte's Gull, 300; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 6; Horned Lark, 7; Blue Jay, 24; Am. Crow, 275; Black-capped Chickadee, 88; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 1; Am. Robin, 4; Eastern Bluebird, 5; Gray Shrike, 1; Common Starling, 600; Myrtle Warbler, 44; House Sparrow, 65; Red-winged Blackbird, 39; Purple Grackle, 130; Brown-headed Cowbird, 50; Pine Grosbeak, 2; Am. Goldfinch, 40; Slate-colored Junco, 7; Am. Tree Sparrow, 42; Field Sparrow, 2; White-throated Sparrow, 10; Swamp Sparrow, 6; Song Sparrow, 13; Snow Bunting, 20. **Total,** 59 species; about 4582 individuals. [In addition 930 American Coots were reported without details, without underlining as unusual. This would be four times as many coots as all the rest of New England combined! Without substantiating details and with such a small number of scoters reported, it is fair to assume that the reporter saw scoters which erroneously are called coots by some L. I. Sound hunters. Unfortunately this tends to cast doubt on the reported Marbled Godwit—Ed.] —Irston R. Barnes, Alfred S. Kidwell, Charles Huntington, Mrs. William H. Dunham, Mrs. Nelson Dunford, Mr. and Mrs. Alfred R. Bellinger, Mrs. Paul Stephens, Samuel A. Galpin (compiler).

62. New London, Conn. (7½-mile radius centering on New London, including shoreline east to Mystic, west to Old Lyme, inland to Conn. Arboretum and Pequot-Sepos Wildlife Sanctuary; deciduous woodlots 35%, pastures 25%, plowland 10%, suburbs 10%, marshes 18%, Hemlock woods 2%).—Dec. 27; 7 a.m. to 5 p.m. Clear; temp. 32° to 45°; wind W, moderate; ground bare, fresh water mostly frozen. Thirteen observers in 4 parties. Total party-hours, 18 (7 on foot, 11 by car); total party-miles, 66 (6 on foot, 60 by car). Common Loon, 5; Horned Grebe, 60; Pied-billed Grebe, 3; European Cormorant, 5; Double-crested Cormorant, 1; Great Blue Heron, 6; Mute Swan, 21; Canada Goose, 167; Am. Brant, 4; Mallard, 103; Black Duck, 531; Am. Widgeon, 13; Green-winged Teal, 6; Redhead, 2; Canvas-back, 2; Greater Scaup, 306; Lesser Scaup, 813 [no details—Ed.]; Am. Golden-eye, 192; Buffle-head, 107; Old-squaw, 1; White-winged Scoter, 2; Am. Scoter, 15; Hooded Merganser, 11; Am. Merganser, 49; Red-breasted Merganser, 488; Sparrow Hawk, 2; Bob-white, 24; Am. Coot, 8; Killdeer, 6; Purple Sandpiper, 12; Great Black-backed Gull, 24; Herring Gull, 337; Ring-billed Gull, 35; **Laughing Gull,** 1; Mourning Dove, 2; Belted Kingfisher, 8; Yellow-shafted Flicker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 7; Horned Lark, 4; Blue Jay, 21; Am. Crow, 25; Fish Crow, 4; Black-capped Chickadee, 41; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 2; Brown Creeper, 1; Carolina Wren, 5; Am. Robin, 5; Eastern Bluebird, 8; Common Starling, 975; Myrtle Warbler, 16; House Sparrow, 80; Eastern Meadowlark, 5; Purple Grackle, 2; Purple Finch, 1; Am. Goldfinch, 4; Slate-colored Junco, 46; Am. Tree Sparrow, 25; White-crowned Sparrow, 1 [no details—Ed.]; White-throated Sparrow, 42; Song Sparrow, 5. **Total,** 62 species; about 4713 individuals. (Seen in area Dec. 26; Red-shouldered Hawk, Snowy Owl, Gray Shrike.)—P. Waldron, L. Waldron, J. Merrill, R. H. Goodwin (compiler), R. H. Goodwin, Jr., B. A. Copp, H. Miller, T. P. McElroy, W. A. Niering, M. Putnam, J. Porter, M. Peterson, A. Erisman.

63. Oxford, Conn. (Quaker Farms to Stevenson, down the Housatonic to corner Route 188, back over Rockhouse Hill; brush land 60%, deciduous woods 20%, Hemlock 5%, river shore 10%, suburban 5%).—Jan. 1; 7:20 a.m. to 4:35 p.m. Clear; temp. 25° to 32°; wind NW, 0-7 m.p.h.; no snow, ponds mostly open. One observer. Total hours, 9¼ (on foot); total miles, 16 (on foot). Black Duck, 2; Am. Golden-eye, 2; Red-tailed Hawk, 2; Ruffed Grouse, 5; Herring Gull, 32; Belted Kingfisher, 1; Yellow-shafted Flicker, 14; Hairy Woodpecker, 2; Downy Woodpecker, 4; Blue Jay, 39; Am. Crow, 40; Black-capped Chickadee, 110; White-breasted Nuthatch, 11; Brown Creeper, 3; Eastern Bluebird, 2; Common Starling, 84; Myrtle Warbler, 80; House Sparrow, 40; Evening Grosbeak, 1; Pine Siskin, 2; Am. Goldfinch, 3; Slate-colored Junco, 85; Am. Tree Sparrow, 21; Swamp Sparrow, 1; Song Sparrow, 10. **Total,** 25 species; 596 individuals. (Seen in area Dec. 26: Pine Grosbeak, 1.)—Alfred P. Harger.

64. Saybrook, Conn. (same area as in previous years, but with only one party, coverage limited to east side of Connecticut river, Saybrook, and Hammonasset State Park; cattail marsh 15%, salt marsh 5%, river 10%, bays and sound 15%, shore 15%, wood margins and hedgerows 15%, deciduous woods 5%, fields 10%, residential 10%).—Jan. 1; 6 a.m. to 5:30 p.m. Clear; temp. 30° to 42°; wind calm; ground bare, thin ice on margins of still water. Two observers in 1 party. Total party-hours, 11½ (9 on foot, 2½ by car); total party-miles, 67 (7 on foot, 60 by car). Red-throated Loon, 4; Horned Grebe, 15; Pied-billed Grebe, 1; Great Blue Heron, 1; Black-crowned Night Heron, 2; Canada Goose, 2; Black Duck, 84; Greater Scaup, 80; Am. Golden-eye, 46; Buffle-head, 13; Old-squaw, 14; White-winged Scoter, 50; Surf Scoter, 1; Am. Merganser, 16; Red-breasted Merganser, 17; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Bald Eagle, 2; Marsh Hawk, 3; Sparrow Hawk, 1; **King Rail,** 2; **Virginia Rail,** 5; Am. Coot, 6; Great Black-backed Gull, 12; Herring Gull, 400; Ring-billed Gull, 300; Bonaparte's Gull, 145; Mourning Dove, 14; Horned Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 11; Hairy Woodpecker, 4; Downy Woodpecker, 6; Horned Lark, 11; Blue Jay, 60; Am. Crow, 72; Black-capped Chickadee, 53; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 8; Winter Wren, 4; **Carolina Wren,** 2; Long-billed Marsh Wren, 3; **Short-billed Marsh Wren,** 1; Am. Robin, 3; Hermit Thrush, 7; Eastern Bluebird, 22; Ruby-crowned Kinglet, 1; Common Starling, 250; Myrtle Warbler, 85; House Sparrow, 65; Brown-headed Cowbird, 8; Pine Grosbeak, 2; Pine Siskin, 12; Am. Goldfinch, 15; White-winged Crossbill, 12; Slate-colored Junco, 25; Am. Tree Sparrow, 15; Field Sparrow, 2; White-throated Sparrow, 25; Swamp Sparrow, 8; Song Sparrow, 20. **Total,** 62 species; about 2062 individuals. (Seen in area Dec. 31: Evening Grosbeaks.)—I. R. Barnes (compiler), R. T. Peterson.

65. Waterbury, Conn. (7½-mile radius centering around Riverside Cemetery, including West Naugatuck and Millville, sections of Middlebury, North Waterbury, Greystone, and Wolcott; open deciduous woods 30%, fields and pastures 25%, woodland borders 20%, suburbs 15%, coniferous woods 10%).—Dec. 26; 8 a.m. to 4:30 p.m. Clear; temp. 18° to 40°; wind slight; ground free of snow except in wooded areas which had 1-3-in. snow; brooks open, ponds frozen except sections of larger lakes. Thirty-three observers in 9 parties. Total party-hours, 50 (20 on foot, 30 by car); total party-miles, 111 (17 on foot, 94 by car). Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 3; Ring-necked Pheasant, 2; Am. Coot, 18; Herring Gull, 5; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Hairy Woodpecker, 11; Downy Woodpecker, 9; Blue Jay, 53; Am. Crow, 869; Black-capped Chickadee, 103; White-breasted Nuthatch, 22; Red-breasted Nuthatch, 8; Brown Creeper, 2; Winter Wren, 1; Am. Robin, 2; Eastern Bluebird, 6; **Ruby-crowned Kinglet,** 5; Common Starling, 1103; Myrtle Warbler, 35; House Sparrow,

240; Evening Grosbeak, 13; Purple Finch, 23; Pine Siskin, 4; Am. Goldfinch, 21; Slate-colored Junco, 58; Am. Tree Sparrow, 45; White-throated Sparrow, 5; Fox Sparrow, 1; Song Sparrow, 14. **Total,** 34 species; about 2689 individuals. (Seen in Middlebury and Watertown areas Dec. 27: Cardinal, 2.)—C. Austin, J. Ferris, A. and M. Grumman, M. Brown, M. Broadhead, P. and E. Elliott, C. Fulton, J. Grumman, A. and J. Judy, L. and E. Gibbs, Jr., E. Hall, K. and V. Jones, P. Jackson, E. Rice, J. and J. Schmuck, J. and C. Swanson, S. Wood, E. K. Slack, R. Streeter, C. Timberlake, C. Johnson, J. Mackiewicz (compiler), E. Margraff, E. B. Slack, M. Yanikany, A. Zukauskas (Waterbury Naturalist Club and Naugatuck Bird Club).

66. Westport, Conn. (and surrounding towns; area and percentages same as past 3 years)—Jan. 2; 7:30 a.m. to 4:45 p.m. Rain and fog to 11:30, cloudy in p.m.; temp. 34° to 41°; wind NE to NW, 4-15 m.p.h.; ground bare, small ponds frozen, larger ponds and reservoirs partially open. One hundred eleven observers (45 in 22 parties and 66 at feeding stations). Total party-hours, 90½ (49 on foot, 34 by car, 3½ on horseback, 4 by boat); total party-miles, 247 (53 on foot, 176 by car, 12 on horseback, 6 by boat). Common Loon, 5; Red-throated Loon, 7; Horned Grebe, 119; **Western Grebe,** 1 (seen at close range; size compared with nearby Red-throated Loon; sharply contrasting black and white noted—W.B.C., P.C.S., M.F.B.); Pied-billed Grebe, 10; Great Blue Heron, 18; Black-crowned Night Heron, 23; Mute Swan, 7; Mallard, 814; Black Duck, 1227; Gadwall, 2; Am. Widgeon, 1; Pintail, 4; Green-winged Teal, 2; **Wood Duck,** 1; Ring-necked Duck, 15; Greater Scaup, 2890; Lesser Scaup, 26; Am. Golden-eye, 177; Buffle-head, 161; Old-squaw, 141; White-winged Scoter, 534; Surf Scoter, 124; Am. Scoter, 2; Ruddy Duck, 2; Hooded Merganser, 10; Am. Merganser, 27; Red-breasted Merganser, 114; Sharp-shinned Hawk, 3; Cooper's Hawk, 3; Red-shouldered Hawk, 9; Rough-legged Hawk, 1; Sparrow Hawk, 6; Ruffed Grouse, 6; Ring-necked Pheasant, 18; Clapper Rail, 1; Am. Coot, 20; Killdeer, 29; Black-bellied Plover, 32; Ruddy Turnstone, 9 [no details—Ed.]; Greater Yellow-legs, 2; Red-backed Sandpiper, 110; Great Black-backed Gull, 58; Herring Gull, 4812; Ring-billed Gull, 127; Bonaparte's Gull, 7; Mourning Dove, 171; Horned Owl, 2; Barred Owl, 4; Short-eared Owl, 1; Belted Kingfisher, 16; Yellow-shafted Flicker, 20; Pileated Woodpecker, 1; **Red-bellied Woodpecker,** 1 (present at feeder for many weeks); Hairy Woodpecker, 111; Downy Woodpecker, 192; Eastern Phoebe, 1; Horned Lark, 52; Blue Jay, 382; Am. Crow, 340; Fish Crow, 3; Black-capped Chickadee, 1128; Tufted Titmouse, 60; White-breasted Nuthatch, 325; Red-breasted Nuthatch, 17; Brown Creeper, 14; Winter Wren, 2; Carolina Wren, 5; Catbird, 7; **Brown Thrasher,** 2; Am. Robin, 21; Hermit Thrush, 2; Eastern Bluebird, 161; Golden-crowned Kinglet, 11; Ruby-crowned Kinglet, 4; Water Pipit, 9; Cedar Waxwing, 66; Gray Shrike, 2; **Loggerhead Shrike,** 1; Common Starling, 1192; Myrtle Warbler, 301; House Sparrow, 692; Eastern Meadowlark, 94; Red-winged Blackbird, 3; **Baltimore Oriole,** 2 (at feeders); Brown-headed Cowbird, 327; Cardinal, 64; Evening Grosbeak, 83; Purple Finch, 77; Pine Grosbeak, 9; Pine Siskin, 17; Am. Goldfinch, 227; White-winged Crossbill, 12; Eastern Towhee, 8; Savannah Sparrow, 2; Sharp-tailed Sparrow, 1; Vesper Sparrow, 1; Slate-colored Junco, 1004; Am. Tree Sparrow, 583; Chipping Sparrow, 5 [no details—Ed.]; Field Sparrow, 27; White-throated Sparrow, 283; Fox Sparrow, 5; Swamp Sparrow, 11; Song Sparrow, 238; Snow Bunting, 6. **Total,** 106 species; about 20,125 individuals. (Seen in area Jan. 3: **Osprey,** 1.)—Mr. and Mrs. H. L. Achilles, Laura Allen, Dr. R. Barnett, C. Bartow, L. J. Bradley (compiler), L. Bregy, Alice Bristow, Helen Bristow, Mr. and Mrs. M. L. Brown, A. Bullard, Mrs. J. Bullard, Mrs. H. Cherry, W. B. Cook, Dr. H. S. Coombs, Mrs. G. Cutler, J. Farrand, B. Ficke, W. Fiero, Mrs. C. F. Gortner, A. P. Harger, R. Holloway, W. Jenkens, Mrs. E. Leaycraft, R. Lemmon, M. Lucas, J. Ludwig, Mrs. R. MacDonald, Mr. and Mrs. B. F. McGucken, J. Malkin, Mr. and Mrs. C. W. Maschal, F. Novak, D. Oliver, L. Pierson, H. H. Poor, Miss C. Rice, Mrs. J. C. Roop, Mrs. E. Rover, P. Sauer, P. C. Spofford, Miss A. Wolf, J. Young.

67. Atlantic Ocean off N. Y. and N. J. (circle of 15-mile diameter, nowhere less than 1 mile from shore to exclude most littoral gulls; open ocean 100%).—Dec. 26; 9:30 a.m. to 4 p.m. Clear; temp. 34° to 45°; wind N, 5 m.p.h. at start, then flat calm. Eleven observers in 1 party. Total hours, 6½ (by boat); total miles, 52 (by boat). Common Loon, 4; Gannet, 95 (93 adult, 2 sub-adult, no imm.); cormorant (sp.), 14; Black Duck, 26; Greater Scaup, 24; Old-squaw, 1; scoter (sp.), 50; Red-breasted Merganser, 2; Great Black-backed Gull, 276; Herring Gull, 771; Ring-billed Gull, 3; Bonaparte's Gull, 247. **Total,** 12 species; about 1513 individuals.—Gilbert Cant (compiler), John G. H. Cant, Robert Grant, Richard E. Harrison, Lawrence Penny, Dennis Puleston, Dennis E. Puleston, Gilbert Raynor, Paul Stoutenburgh, Elaine Walsh, Lester L. Walsh.

68. Brooklyn, N. Y. (7½-mile radius centered on Kings Highway and Flatbush Ave.; parks, cemeteries, woods and lawns 10%, landfill operations 10%, salt marsh 10%, sheltered bays 35%, beach 15%, open ocean 20%).—Jan. 2; 7:30 a.m. to 4:30 p.m. Rain, ending in a.m., clear later; temp. 44° to 50°; wind S, 8-12 m.p.h. Thirty-five observers in 10 parties. Total party-hours, 190 (all on foot, none by car); total party-miles, 52 (all on foot, car used only to take observers to areas). Common Loon, 1; Red-throated Loon, 2; Red-necked Grebe, 1; Horned Grebe, 306; Pied-billed Grebe, 24; Gannet, 38; Great Blue Heron, 8; Black-crowned Night Heron, 9; Am. Bittern, 6; Mallard, 66; Black Duck, 345; Am. Widgeon, 250; Pintail, 60; Redhead, 5; Canvas-back, 34; Greater Scaup, 3780; **Lesser Scaup,** 4; Am. Golden-eye, 102; Buffle-head, 41; Old-squaw, 10; White-winged Scoter, 3; Ruddy Duck, 1; Red-breasted Merganser, 250; Marsh Hawk, 11; Peregrine Falcon, 1; Sparrow Hawk, 27; Clapper Rail, 4; Am. Coot,

3; **Florida Gallinule,** 1 (S.H., E.W.); Killdeer, 57; Black-bellied Plover, 1; Purple Sandpiper, 3; Red-backed Sandpiper, 145; Sanderling, 13; **Glaucous Gull,** 1 (11 observers); **Iceland Gull,** 1 (many observers); Great Black-backed Gull, 754; Herring Gull, 10,040; Ring-billed Gull, 485; **Black-headed Gull,** 1 (carefully studied, seen by 2 parties); **Laughing Gull,** 2; Bonaparte's Gull, 970; Mourning Dove, 6; Short-eared Owl, 7; Yellow-shafted Flicker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 18; **Western Kingbird,** 1 (in Riis Park since October); Horned Lark (Prairie and Northern), 236; Blue Jay, 17; Am. Crow, 35; Fish Crow, 2; Black-capped Chickadee, 29; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 8; Long-billed Marsh Wren, 3; Am. Robin, 9; Water Pipit, 22; **Loggerhead Shrike,** 1; Common Starling, 3000; Myrtle Warbler, 30; House Sparrow, 2730; Eastern Meadowlark, 37; Red-winged Blackbird, 75; Rusty Blackbird, 2; Brown-headed Cowbird, 10; Cardinal, 2; Purple Finch, 1; **House Finch,** 6 (since Nov.); Pine Siskin, 29; Am. Goldfinch, 7; **Red Crossbill,** 2; **White-winged Crossbill,** 26; Savannah Sparrow, 288; Sharp-tailed Sparrow, 1; Seaside Sparrow, 2; Slate-colored Junco, 36; Am. Tree Sparrow, 203; Field Sparrow, 1; White-throated Sparrow, 126; Fox Sparrow, 4; Swamp Sparrow, 14; Song Sparrow, 151; **Lapland Longspur,** 4; Snow Bunting, 94. **Total,** 85 species (1 additional subspecies); about 25,148 individuals. (Seen in area Jan. 1: European Cormorant, Sharp-shinned Hawk, Least Sandpiper, 5; Purple Sandpiper, 28; Snowy Owl, 2; Pine Grosbeak, 4.) [careful details submitted for all unusual observations—Ed.]—G. Carleton, M. Cashman, R. Clermont, E. Daly, Mrs. E. Feldhusen, Miss E. Feldhusen, N. Ferster, Dr. E. Fleisher, S. Hansen, R. Hendrick, F. E. Horn, D. Kreissman, E. McGovern, M. Metler, H. Meyerdierks, M. Miletznik, J. Murphy, J. Nielsen, M. Noyes, Mrs. I. Parks, E. Restivo, L. Scher, A. and H. Schiffer, N. Smith, Jerome Soll, Esther K. Swayer, H. Thelen, Dr. M. Tremaine, V. Usin, Dr. J. Watson, M. Wheat, E. J. Whelen (compiler), A. Wrede, L. Zeitz (Brooklyn Bird Club).

69. **Central Suffolk County, L. I., N. Y.** (same area as last year, plus the outer beach west of Moriches Inlet and Mastic; deciduous woods 20%, cultivated fields 5%, overgrown fields 15%, residential areas 10%, fresh-water ponds and swamps 10%, bay and salt marsh 25%, outer beach and ocean 15%). —Dec. 31; 6:45 a.m. to 5 p.m. Clear early, clouds increasing to overcast; temp. 27° to 40°; wind W to SW, 5-15 m.p.h.; all water open. Twelve observers in 6 parties. Total party-hours, 59½ (40 on foot, 13 by car, 6½ by boat); total party-miles, 192 (48 on foot, 130 by car, 14 by boat). Common Loon, 5; Red-throated Loon, 2; Horned Grebe, 9; Pied-billed Grebe, 10; Gannet, 4; Great Blue Heron, 35; Black-crowned Night Heron, 6; Am. Bittern, 1; Mute Swan, 116; Canada Goose, 74; Mallard, 119; Black Duck, 1152; Am. Widgeon, 165; Pintail, 350; Green-winged Teal, 1; Ring-necked Duck, 14; Canvas-back, 1; Greater Scaup, 561; Am. Golden-eye, 49; Buffle-head, 64; Old-squaw, 5; White-winged Scoter, 21; Ruddy Duck, 91; Hooded Merganser, 5; Am. Merganser, 6; Red-breasted Merganser, 60; Sharp-shinned Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 8; Sparrow Hawk, 6; Ruffed Grouse, 1; Bob-white, 11; Ring-necked Pheasant, 3; Virginia Rail, 6; Am. Coot, 129; Wilson's Snipe, 1; Red-backed Sandpiper, 150; Sanderling, 50; Great Black-backed Gull, 146; Herring Gull, 797; Ring-billed Gull, 36; Mourning Dove, 116; Horned Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 11; Hairy Woodpecker, 4; Downy Woodpecker, 11; Horned Lark (Northern), 49; Blue Jay, 165; Am. Crow, 113; Black-capped Chickadee, 95; White-breasted Nuthatch, 26; Red-breasted Nuthatch, 13; Brown Creeper, 3; Winter Wren, 2; Carolina Wren, 3; Long-billed Marsh Wren, 10; Mockingbird, 1; Catbird, 2; Brown Thrasher, 3; Am. Robin, 11; Hermit Thrush, 1; Golden-crowned Kinglet, 12; Gray Shrike, 2; **Loggerhead Shrike,** 1; Common Starling, 2727; Myrtle Warbler, 93; House Sparrow, 210; Eastern Meadowlark, 71; Red-winged Blackbird, 35; Rusty Blackbird, 7; Purple Grackle, 1; **Brown-headed Cowbird,** 347; Purple Finch, 16; Pine Siskin, 43; Am. Goldfinch, 75; **Red Crossbill,** 5; White-winged Crossbill, 3; Eastern Towhee, 4; Ipswich Sparrow, 1; Savannah Sparrow, 5; Sharp-tailed Sparrow, 2; Slate-colored Junco, 127; Am. Tree Sparrow, 143; Field Sparrow, 1; White-throated Sparrow, 145; Fox Sparrow, 3; Swamp Sparrow, 7; Song Sparrow, 41; Snow Bunting, 32. **Total,** 90 species; about 9073 individuals. (Seen in area Dec. 27: Cooper's Hawk; Dec. 30: **Turkey Vulture** (D.L.W.); Jan. 2: **Sora.**)—Christopher K. McKeever, J. T. Nichols, W. F. Nichols, Lawrence Penny, Mrs. Ruth Porter, Dennis Puleston, Dennis E. Puleston, Gilbert S. Raynor (compiler), Paul Stoutenburg, D. L. Weld, Leroy Wilcox, David H. Young.

70. **Montauk, L. I., N. Y.** (same area and habitats as previous year; Montauk Point to location two miles east of Amagansett).—Dec. 29; 7 a.m. to 5 p.m. Intermittent rain; temp. 40° to 45°; wind SE, 10-12 m.p.h.; ground clear, all water open. Four observers in 2-3 parties. Total party-hours, 32 (28 on foot, 4 by car); total party-miles, 100 (20 on foot, 80 by car). Common Loon, 75; Red-throated Loon, 4; Horned Grebe, 60; Pied-billed Grebe, 13; Gannet, 11; European Cormorant, 30; **Double-crested Cormorant,** 1 (H.R., H.S.); Am. Bittern, 1 (J.P.); Mute Swan, 16; Am. Brant, 80; Black Duck, 2; Redhead, 10; Greater Scaup, 2234; Am. Golden-eye, 200; Buffle-head, 87; Old-squaw, 310; **Harlequin Duck,** 2 (♂ + ♀); Common Eider, 2; White-winged Scoter, 300; Surf Scoter, 30; Am. Scoter, 27; Ruddy Duck, 30; Am. Merganser, 3; Red-breasted Merganser, 324; Sharp-shinned Hawk, 1; Marsh Hawk, 3; Peregrine Falcon, 1; Sparrow Hawk, 4; Am. Coot, 150; **Piping Plover,** 2 (present since late Nov.—N.B.); Wilson's Snipe, 2; Purple Sandpiper, 4; Sanderling, 1; Great Black-backed Gull, 75; Herring Gull, 1500; Ring-billed Gull, 32; **Laughing Gull,** 1; Bonaparte's Gull, 400; **Black-legged Kittiwake,** 1 (N.B.); **Dovekie,** 1; Mourning Dove, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 16; Downy Woodpecker, 1; Blue Jay, 1; Am. Crow, 46;

Black-capped Chickadee, 150; Red-breasted Nuthatch, 20; **Carolina Wren,** 1; **Loggerhead Shrike,** 3; Common Starling, 500; Myrtle Warbler, 2000; House Sparrow, 100; Eastern Meadowlark, 19; Red-winged Blackbird, 2; Pine Siskin, 2; Eastern Towhee, 2; Savannah Sparrow, 1; Slate-colored Junco, 7; Am. Tree Sparrow, 15; White-throated Sparrow, 100; Swamp Sparrow, 2; Song Sparrow, 65. **Total,** 63 species; about 9085 individuals, in addition about 300 unidentified scoters. [Careful details submitted for all unusual species—Ed.]—N. R. Boyajian (compiler), J. Phelan, H. Ryan, H. Stein.

[On Dec. 30 another count covering essentially the same area was made by Francis Cormier, George Hall, John Harte, Ken Harte (compiler) and Maurice Wrangell. They observed a total of 50 species and about 2845 individuals. Additional species not reported on the other Montauk list were: Great Blue Heron, 1; Ring-necked Pheasant, 1; Virginia Rail, 1; Barn Owl, 1; **Tree Swallow,** 1 (all observers); Fish Crow, 3; Snow Bunting, 13. This group saw three Harlequin Ducks, one more than the other Montauk party.—Ed.]

71. **Northern Nassau County, L. I., N. Y.** (7½-mile radius centering on Matinecock, excluding 15 sq. mi. north of mid-Sound and less than 1 sq. mi. in narrow segment along southwest margin between Plandome and East Williston; circle boundary passes through Lloyd Point, Lloyd Harbor, Woodbury, Hicksville, Westbury, Manhasset, and Barker's Point; L. I. Sound 15%, bays 10%, salt marsh 2%, freshwater ponds 1%, deciduous woodland 25%, coniferous woodland 1%, brushy fields and thickets 20%, open fields 15%, urban 11%).—Dec. 26; 3:45 a.m. to 6 p.m. Clear; temp. 31° to 45°; wind NW to N, 10 m.p.h.; only largest ponds open, trace of snow on ground, visibility excellent. Thirty-nine observers (20 in 13 parties and 19 at feeding stations). Total party-hours, 80 (53 on foot, 21 by car, 6 by bicycle); total party-miles, 181 (48 on foot, 121 by car, 12 by bicycle). Common Loon, 8; Red-throated Loon, 20; Horned Grebe, 188; European Cormorant, 1; Great Blue Heron, 7; Black-crowned Night Heron, 4; Mute Swan, 38; Canada Goose, 6; Mallard, 236; Black Duck, 1136; Am. Widgeon, 30; Pintail, 5; Green-winged Teal, 1; Redhead, 3; Ring-necked Duck, 6; Canvas-back, 3; Greater Scaup, 6168; **Lesser Scaup,** 105; Am. Golden-eye, 457; Old-squaw, 412; White-winged Scoter, 1360; Surf Scoter, 583; Am. Scoter, 42; Hooded Merganser, 2; Am. Merganser, 2; Red-breasted Merganser, 131; Cooper's Hawk, 3; Red-tailed Hawk, 4; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 5; Bob-white, 20; Ring-necked Pheasant, 23; Clapper Rail, 2; Am. Coot, 2; Killdeer, 15; Great Black-backed Gull, 94; Herring Gull, 3218; Ring-billed Gull, 84; Bonaparte's Gull, 8; Mourning Dove, 27; Belted Kingfisher, 6; Yellow-shafted Flicker, 5; Hairy Woodpecker, 8; Downy Woodpecker, 57; Eastern Phoebe, 1 [no details—Ed.]; Horned Lark, 90; Blue Jay, 67; Am. Crow, 1588; Fish Crow, 7; Black-capped Chickadee, 229; **Brown-capped Chickadee,** 1 (at feeder for 3 weeks); White-breasted Nuthatch, 52; Red-breasted Nuthatch, 9; Winter Wren, 2; Carolina Wren, 3; Long-billed Marsh Wren, 1; Catbird, 2; Am. Robin, 41; Hermit Thrush, 2; Eastern Bluebird, 63; Golden-crowned Kinglet, 10; Cedar Waxwing, 11; shrike (sp.), 1; Common Starling, 1104; Myrtle Warbler, 114; **Pine Warbler,** 2 (carefully studied at feeder); House Sparrow, 240; Eastern Meadowlark, 1; Red-winged Blackbird, 107; Purple Grackle, 1; Brown-headed Cowbird, 216; Cardinal, 14; Purple Finch, 20; Common Redpoll, 16; Pine Siskin, 40; Am. Goldfinch, 145; Savannah Sparrow, 4; Sharp-tailed Sparrow, 2; Slate-colored Junco, 674; **Oregon Junco,** 1 (at feeder for over 3 weeks); Am. Tree Sparrow, 249; **Chipping Sparrow,** 2 (J.R.); Field Sparrow, 4; White-throated Sparrow, 315; Fox Sparrow, 10; Swamp Sparrow, 3; Song Sparrow, 100. **Total,** 88 species; about 20,102 individuals. (Dec. 28: Brown Creeper, 1; Pine Grosbeak, 2; Dec. 29: Snow Bunting, 70; Dec. 31: Red-necked Grebe, Pied-billed Grebe, Screech Owl; Jan. 1: Ruby-crowned Kinglet, 4; Jan. 2: Rusty Blackbird, 21.)—Carl Arbo, Mrs. L. M. Bonnewell, M. Ella Brown, James Callaghan, Mrs. G. Engelfried, Malcolm A. Jacobson, Lenora Klein, Christopher Lamoureux, Mrs. Jill Lamoureux, Lyman Langdon, Stuart Ludlam, Eugene T. Mudge, Douglas Newman, Jay Purdy, Richard Rhoades, John Ricks, P. D. Skaar (compiler), Mrs. R. M. Stevenson, Maurice J. Wing, Rawson Wood (Lyman Langdon Audubon Society).

72. **Quogue to Watermill, L. I., N. Y.** (same area as last year).—Dec. 28; 7 a.m. to 4:30 p.m. Cloudy; temp. 42° to 47°; wind SW, 10-20 m.p.h. One observer. Total hours, 9; total miles, 80 (3 on foot, 77 by car). Common Loon, 1; Red-throated Loon, 20; Horned Grebe, 216; Pied-billed Grebe, 2; Gannet, 3; Great Blue Heron, 17; Black-crowned Night Heron, 1; Mute Swan, 60; Canada Goose, 780; Am. Brant, 21; Mallard, 47; Black Duck, 3000; Greater Scaup, 150; Am. Golden-eye, 103; Buffle-head, 28; Old-squaw, 1; White-winged Scoter, 20; Am. Scoter, 8; Ruddy Duck, 8; Red-breasted Merganser, 51; Sharp-shinned Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 4; Am. Coot, 283; Black-bellied Plover, 1; Wilson's Snipe, 1; Red-backed Sandpiper, 8; Sanderling, 104; Great Black-backed Gull, 52; Herring Gull, 1300; Ring-billed Gull, 22; Bonaparte's Gull, 3; Snowy Owl, 4; Belted Kingfisher, 1; Yellow-shafted Flicker, 13; Hairy Woodpecker, 1; Downy Woodpecker, 1; Blue Jay, 11; Am. Crow, 25; Black-capped Chickadee, 23; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 4; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 1; Am. Robin, 2; Hermit Thrush, 1; Golden-crowned Kinglet, 3; **Loggerhead Shrike,** 2; Common Starling, 60; Myrtle Warbler, 85; House Sparrow, 15; Eastern Meadowlark, 7; Purple Finch, 1; Pine Siskin, 9; Am. Goldfinch, 1; Am. Tree Sparrow, 15; Field Sparrow, 2; White-throated Sparrow, 14; Fox Sparrow, 3; Swamp Sparrow, 1; Song Sparrow, 9. **Total,** 62 species; about 6636 individuals.—Leroy Wilcox.

73. Smithtown, L. I., N. Y. (7½-mile radius centering on Smithtown, including Nissequogue River area, L. I. Sound shore from Short Beach to Long Beach, Old Field Point, St. James and Stony Brook Harbors; pasture 20%, deciduous farm woodlots 50%, salt marsh 25%, pine grove 5%).—Dec. 27; 4:30 a.m. to 5 p.m. Clear; temp. 25° to 48°; wind NW, 15 m.p.h.; ponds and inland marshes lightly frozen. Four observers in 4 parties. Total party-hours, 50 (25 on foot, 25 by car); total party miles, 176 (34 on foot, 142 by car). Common Loon, 20; Red-throated Loon, 3; Red-necked Grebe, 4; Horned Grebe, 253; Pied-billed Grebe, 3; Great Blue Heron, 4; Black-crowned Night Heron, 44; Mute Swan, 14; Canada Goose, 3; Mallard, 95; Black Duck, 574; Am. Widgeon, 46; Pintail, 4; Green-winged Teal, 6; Ring-necked Duck, 125; Greater Scaup, 300; Lesser Scaup, 4; Am. Golden-eye, 185; Buffle-head, 129; Old-squaw, 28; White-winged Scoter, 440; Hooded Merganser, 2; Am. Merganser, 11; Red-breasted Merganser, 165; Goshawk, 1 [no details—Ed.]; Red-tailed Hawk, 1; Red-shouldered Hawk, 3; Ring-necked Pheasant, 7; Clapper Rail, 5; Am. Coot, 16; Florida Gallinule, 1 [no details—Ed.]; Great Black-backed Gull, 42; Herring Gull, 3000; Ring-billed Gull, 500; Mourning Dove, 17; Screech Owl, 8; Horned Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 11; Blue Jay, 68; Am. Crow, 161; Fish Crow, 7; Black-capped Chickadee, 24; White-breasted Nuthatch, 9; Brown Creeper, 1; Winter Wren, 2; Carolina Wren, 14; Long-billed Marsh Wren, 1; Am. Robin, 105; Golden-crowned Kinglet, 2; Common Starling, 45; Myrtle Warbler, 3; House Sparrow, 22; Eastern Meadowlark, 5; Red-winged Blackbird, 40; Rusty Blackbird, 1; Brown-headed Cowbird, 1; Cardinal, 4; Purple Finch, 4; Pine Grosbeak, 1; Pine Siskin, 5; Am. Goldfinch, 16; Savannah Sparrow, 1; Sharp-tailed Sparrow, 1; Slate-colored Junco, 118; Am. Tree Sparrow, 27; Field Sparrow, 2; White-throated Sparrow, 49; Fox Sparrow, 1; Swamp Sparrow, 17; Song Sparrow, 63; Snow Bunting, 2. **Total,** 74 species; about 6906 individuals. [An adult male Black-throated Blue Warbler seen almost daily at feeder in Northport from Nov. 13 through Jan. 13 by Eugene T. Mudge.—Ed.]—James Grier Ralston, Richard B. Fischer, Walton B. Sabin, Robert Ralston (compiler).

74. Southern Nassau County, L. I., N. Y. (Atlantic Beach to Jones Beach, north to Garden City and East Meadow; circle centered on Baldwin; area and habitat percentages same as previous years).—Jan. 1; 6 a.m. to 11:30 p.m. Fair; temp. 36° to 46°; no wind; ground bare, ponds mostly open. Forty-four observers in 14 parties. Total party-hours, 105 (80 on foot, 25 by car); total party-miles, 320 (100 on foot, 220 by car). Common Loon, 3; Red-throated Loon, 6; Red-necked Grebe, 2; **Horned Grebe,** 232; Pied-billed Grebe, 78; Gannet, 38; European Cormorant, 2; Great Blue Heron, 81; Black-crowned Night Heron, 32; Am. Bittern, 3; Mute Swan, 27; Canada Goose, 14; Am. Brant, 4898; Mallard, 431; Black Duck, 4225; Gadwall, 35; European Widgeon, 1; Am. Widgeon, 291; Pintail, 167; **European Teal,** 1 (eighth time since 1932); Green-winged Teal, 220; Shoveller, 34; Redhead, 2; Ring-necked Duck, 24; Canvas-back, 113; Greater Scaup, 1879; Lesser Scaup, 24; Am. Golden-eye, 36; Buffle-head, 52; Old-squaw, 69; **King Eider,** 2; White-winged Scoter, 4696; Surf Scoter, 511; Am. Scoter, 75; (undifferentiated scoters, 150); Ruddy Duck, 87; **Hooded Merganser,** 121; Am. Merganser, 252; Red-breasted Merganser, 611; Sharp-shinned Hawk, 2; Marsh Hawk, 16; Sparrow Hawk, 15; Ring-necked Pheasant, 16; Clapper Rail, 9; **Florida Gallinule,** 4; Am. Coot, 98; Killdeer, 17; Black-bellied Plover, 40; Am. Woodcock, 1; Wilson's Snipe, 10; Greater Yellow-legs, 1; Purple Sandpiper, 41; Red-backed Sandpiper, 10; Sanderling, 267; (undifferentiated sandpipers, probably Red-backed and Sanderling, 200); Great Black-backed Gull, 508; Herring Gull, 7110; Ring-billed Gull, 442; Bonaparte's Gull, 6; Mourning Dove, 35; Screech Owl, 3; Long-eared Owl, 1; Short-eared Owl, 5; Belted Kingfisher, 7; Yellow-shafted Flicker, 26; Hairy Woodpecker, 9; Downy Woodpecker, 20; Horned Lark, 98 (Northern, 84; Prairie, 14); **Tree Swallow,** 7; Blue Jay, 93; Am. Crow, 101; Fish Crow, 5; Black-capped Chickadee, 264; White-breasted Nuthatch, 76; **Red-breasted Nuthatch,** 76; Brown Creeper, 4; Winter Wren, 3; Carolina Wren, 2; Long-billed Marsh Wren, 4; Catbird, 5; Brown Thrasher, 2; Am. Robin, 19; Hermit Thrush, 3; Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 1; Cedar Waxwing, 7; Gray Shrike, 3; Common Starling, 5004; Myrtle Warbler, 968; House Sparrow, 467; Eastern Meadowlark, 127; Red-winged Blackbird, 126; Rusty Blackbird, 6; Brown-headed Cowbird, 3; Cardinal, 9; Purple Finch, 2; House Finch, 21; Pine Siskin, 154; Am. Goldfinch, 34; **Red Crossbill,** 113; **White-winged Crossbill,** 169; Eastern Towhee, 2; Ipswich Sparrow, 4; Savannah Sparrow, 53; Sharp-tailed Sparrow, 9; Seaside Sparrow, 7; Slate-colored Junco, 459; Tree Sparrow, 490; Field Sparrow, 51; **White-crowned Sparrow,** 1 (observed clearly at close range, Mrs. E.W.T.); White-throated Sparrow, 367; Fox Sparrow, 23; Swamp Sparrow, 25; Song Sparrow, 551; Lapland Longspur, 2; Snow Bunting, 24. **Total,** 114 species (1 additional subspecies); about 38,442 individuals. (Mockingbird seen in area days before and after count.)—A. Allison, Robert S. Arbib, Jr. (compiler), Karl Arbo, Ned Boyajian, John L. Bull, Jr., Henry Collins, Jr., Eugene Eisenmann, John J. Elliott, Robert Ficken, Robert Finley, Herman Goebel, Robert Grant, Daniel Guthrie, Richard E. Harrison, Richard A. Herbert, Fred. P. Mangels, John H. Mayer, Mrs. Howard Meinke, Edmund Morgan, Peter McAllister, Joseph Nielsen, Alan Penberthy, Mr. and Mrs. George H. Peters, Joseph Phelan, Peter Post, Roger Preisick, Robert Rorden, George C. Rose, Walton Sabin, Kathleen G. Skelton, David Skaar, Mr. and Mrs. Richard Sloss, Hazel Sullivan, Esther Swayer, Mr. and Mrs. Edwin W. Teale, Dr. Mary Tremaine, Dr. Janet Watson, Mr. and Mrs. Joseph Weiler, Joseph Weiler, Jr., Edward J. Whelen.

75. Western Long Island, N. Y. (15-mile circle: Flushing Bay to North Hills, Whitestone to Atlantic Beach; suburban New York City 30%, Atlantic Ocean coast 5%, coastal marshes 15%, fresh water 5%, deciduous woods 10%, evergreen woods 5%, open woods 30%).—Jan. 2; 6 a.m. to 6:30 p.m. Heavy fog and rain in a.m., cloudy in p.m., clear by dark; temp. 36° to 51°; wind NE to NW, max. 15 m.p.h. Thirty-seven observers in 16 parties. Total party-hours, 123 (103 on foot, 20 by car); total party-miles, 376 (165 on foot, 211 by car). Common Loon, 2; Red-throated Loon, 1; Horned Grebe, 32; Pied-billed Grebe, 86; Gannet, 57; Double-crested Cormorant, 1; Great Blue Heron, 44; Black-crowned Night Heron, 67; Am. Bittern, 3; Mute Swan, 27; Canada Goose, 5; Am. Brant, 322; Mallard, 790; Black Duck, 6200; Gadwall, 42; European Widgeon, 1; Am. Widgeon, 616; Pintail, 48; Green-winged Teal, 121; Shoveller, 6; Redhead, 1; Ring-necked Duck, 40; Canvas-back, 3827; Greater Scaup, 32,550; Lesser Scaup, 6; Am. Golden-eye, 119; Buffle-head, 385; Old-squaw, 1; Surf Scoter, 5; Ruddy Duck, 31; Hooded Merganser, 46; Am. Merganser, 269; Red-breasted Merganser, 323; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Marsh Hawk, 23; Sparrow Hawk, 36; Bob-white, 5; Ring-necked Pheasant, 42; Clapper Rail, 28; **Sora,** 1; **Florida Gallinule,** 1; Am. Coot, 106; **Ringed Plover,** 2; Killdeer, 70; Black-bellied Plover, 59; Wilson's Snipe, 2; Greater Yellow-legs, 3; Purple Sandpiper, 71; Red-backed Sandpiper, 500; Sanderling, 116; Glaucous Gull, 1; Great Black-backed Gull, 868; Herring Gull, 15,800; Ring-billed Gull, 363; Laughing Gull, 5; Bonaparte's Gull, 160; **Black Skimmer,** 4 (J.B., A.P.); Mourning Dove, 112; Barn Owl, 2; Screech Owl, 6; Snowy Owl, 1; Long-eared Owl, 2; Short-eared Owl, 5; Belted Kingfisher, 5; Yellow-shafted Flicker, 6; Hairy Woodpecker, 14; Downy Woodpecker, 48; Horned Lark, 113; Blue Jay, 109; Am. Crow, 338; Fish Crow, 2; Black-capped Chickadee, 280; **Brown-capped Chickadee,** 3 (in pine grove since Nov.); White-breasted Nuthatch, 30; Red-breasted Nuthatch, 1; Brown Creeper, 8; Winter Wren, 4; Long-billed Marsh Wren, 3; Short-billed Marsh Wren, 1; Catbird, 5; Brown Thrasher, 2; Am. Robin, 15; Hermit Thrush, 3; Golden-crowned Kinglet, 8; Water Pipit, 1; Cedar Waxwing, 19; Common Starling, 6400; Myrtle Warbler, 49; Palm Warbler, 1; House Sparrow, 1300; Eastern Meadowlark, 50; Red-winged Blackbird, 375; Rusty Blackbird, 17; Purple Grackle, 39; Brown-headed Cowbird, 373; Cardinal, 8; Purple Finch, 1; House Finch, 22; Common Redpoll, 2; Pine Siskin, 45; Am. Goldfinch, 52; Eastern Towhee, 5; Ipswich Sparrow, 3; Savannah Sparrow, 48; Sharp-tailed Sparrow, 5; Seaside Sparrow, 2; Vesper Sparrow, 2; Slate-colored Junco, 569; Am. Tree Sparrow, 541; Field Sparrow, 138; White-throated Sparrow, 1066; Fox Sparrow, 15; Swamp Sparrow, 27; Song Sparrow, 448; Lapland Longspur, 6; Snow Bunting, 19. **Total,** 119 species (2 additional subspecies); about 77,121 individuals.—Richard H. Adelson, Elizabeth Astle, Mrs. Isobel Astle, William O. Astle, Ned Boyajian, Richard Bostwick, Paul Buckley, John L. Bull, Eileen Dunne, Eugene Eisenmann, Leonard J. Garland, Herman Goebel, Robert H. Grant, Jerome S. Haller, Richard A. Herbert, Karen Hughes, Edward Kirchmeier, William Larrabee, Peter J. Lippman, John H. Mayer, Andrew Meyerriecks, Hemming Mortenson, Alan H. Penberthy, Mrs. Elizabeth Reid, William W. Reid, George C. Rose, Mrs. Dorothy Scheffel, George Scheffel, Walter Sedwitz, Dr. E. D. Sinsabaugh, Mrs. Kathleen G. Skelton, Arthur T. Skopec, Eugenia Slezak, Frank B. Smithe, F. Norton Smithe, Marlene Steinmetz, Samuel C. Yeaton (Queens County Bird Club).

76. Bear Mountain—Harriman State Park, N. Y. (Bear Mountain south to Jones Point and west to Route 17; deciduous woods 40%, coniferous woods 15%, open fields 15%, swamps 20%, river 5%, lakes 5%).—Jan. 2; 6:30 a.m. to 5:15 p.m. Fog and rain to clear and sunny; temp. 40° to 44°; wind S to NW, 0-30 m.p.h.; ground clear, lakes partly frozen. Eleven observers in 4 parties. Total party-hours, 38 (25 on foot, 13 by car); total party-miles, 217 (37 on foot, 180 by car). Mallard, 16; Black Duck, 78; Ring-necked Duck, 1; Canvas-back, 147; Am. Golden-eye, 2; Am. Merganser, 65; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Bald Eagle, 1; Peregrine Falcon, 1; Ruffed Grouse, 5; Great Black-backed Gull, 4; Herring Gull, 84; Ring-billed Gull, 2; Barred Owl, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Pileated Woodpecker, 3; Downy Woodpecker, 16; Blue Jay, 10; Am. Crow, 34; Black-capped Chickadee, 88; Tufted Titmouse, 1; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 1; Am. Robin, 1; **Olive-backed Thrush,** 1 (under observation for about five minutes in excellent light. First winter record for area—J.K., and J.O.); Common Starling, 20; House Sparrow, 106; Cardinal, 9; Pine Grosbeak, 5; Pine Siskin, 108; Am. Goldfinch, 4; Slate-colored Junco, 45; Am. Tree Sparrow, 291; White-throated Sparrow, 1; Song Sparrow, 6. **Total,** 37 species; about 1182 individuals.—Eugene Brown, Robert F. Deed, Thomas Dow, Dr. Marjorie Hopper, Irving Kennedy, John Kenney, John Orth (compiler), Peter Smith, Mr. and Mrs. Frank Steffens, Edward Treacy.

77. Binghamton, N. Y. (7½-mile radius centering ½ mile south of East Maine and including Chenango Valley State Park as last year).—Jan. 1; 5:45 a.m. to 5 p.m. Overcast, foggy on hilltops; temp. 25° to 37°; wind SE, 8 m.p.h.; traces of snow on ground, small streams and ponds partially frozen, Chenango and Susquehanna Rivers open. Fifty observers in 8 parties. Total party-hours, 70 (51 on foot, 19 by car); total party-miles, 333 (56 on foot, 277 by car). Pied-billed Grebe, 1; Mallard, 14; Black Duck, 60; Am. Widgeon, 1; Am. Merganser, 1; Cooper's Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 6; Ruffed Grouse, 9; Ring-necked Pheasant, 34; Herring Gull, 2; Mourning Dove, 1; Screech Owl, 2; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 26; Downy Woodpecker, 69; Blue Jay, 134; Am. Crow, 402; Black-capped Chickadee, 410; Tufted Titmouse, 8; White-breasted Nuthatch, 83; Red-

breasted Nuthatch, 8; Brown Creeper, 9; Carolina Wren, 2; Golden-crowned Kinglet, 8; **Cedar Waxwing,** 25; Common Starling, 4029; House Sparrow, 1306; **Brown-headed Cowbird,** 1; Cardinal, 19; Evening Grosbeak, 16; Pine Grosbeak, 12; Common Redpoll, 24; Am. Goldfinch, 47; Slate-colored Junco, 36; Am. Tree Sparrow, 192; White-throated Sparrow, 1; Song Sparrow, 2; Snow Bunting, 250. **Total,** 42 species; about 7256 individuals. (Seen in area Dec. 26: Red-tailed Hawk.)—W. C. Altman, Betsy Barney, J. Beaver, L. E. Bemont (compiler), T. Buckley, A. R. Carpenter, Mrs. R. S. Drake, Mrs. H. R. Fisher, Mrs. S. H. French, Jacqueline Greene, T. Greene, Sue Gunglock, Mr. Hammil, Mr. and Mrs. V. P. Hannan, Mary Hannan, M. J. Hannan, Mrs. W. Jennings, Mrs. C. Lauter, C. Lauter, Jr., D. S. Layman, E. H. LeMasurier, Mrs. H. Linaberry, Mrs. E. Mallory, Mrs. F. Marsi, Gail Marsi, Mrs. J. W. Minehan, M. L. Moore, Miss Violet Pucek, Mrs. Rogers, Hilah Rounds, L. Salisbury, R. W. Saunders, C. Sayre, R. Sayre, Mr. and Mrs. R. P. Sheffield, Mrs. E. Sheldon, Mr. and Mrs. K. A. Snow, Betty Stone, Mr. and Mrs. H. Taylor, Mr. F. Thomas, Anna Topping, Mrs. Van Kuren, Dr. N. R. Washburn, Hope Williams, Mrs. Woodruff, Mrs. C. E. Worthing.

78. Bronx–Westchester Region, N. Y. (same area as in previous years).—Dec. 26; 6 a.m. to 5 p.m.; temp. 32° to 41°; wind NW, 5-10 m.p.h.; ground bare, nearly all fresh water frozen. Thirty-eight observers in 8 parties. Total party-hours, 52 (30 on foot, 22 by car); total party-miles, 63 (37 on foot, 26 by car). Common Loon, 1; Red-throated Loon, 5; **Horned Grebe,** 83 (very high); **Pied-billed Grebe,** 18; European Cormorant, 9; Double-crested Cormorant, 1; Great Blue Heron, 41; Black-crowned Night Heron, 71; Am. Bittern, 3; Mute Swan, 12; Canada Goose, 160; Mallard, 275; Black Duck, 2300; Gadwall, 2; **European Widgeon,** 1; Am. Widgeon, 136; Pintail, 3; Green-winged Teal, 12; Wood Duck, 3; **Redhead,** 6; Ring-necked Duck, 4; **Canvas-back,** 2780; Greater Scaup, 7300; Lesser Scaup, 1; Am. Golden-eye, 900; **Buffle-head,** 215 (very high); Old-squaw, 92; White-winged Scoter, 52; Surf Scoter, 2; Am. Scoter, 6; Ruddy Duck, 177 (very high); Hooded Merganser, 33; Am. Merganser, 48; Red-breasted Merganser, 460; Sharp-shinned Hawk, 6; Cooper's Hawk, 1; Red-tailed Hawk, 13; Red-shouldered Hawk, 10; Rough-legged Hawk, 3; **Pigeon Hawk,** 1 (carefully identified); Sparrow Hawk, 16; Ring-necked Pheasant, 104; Clapper Rail, 3; Virginia Rail, 3; Am. Coot, 31; Killdeer, 95; Wilson's Snipe, 5; **Lesser Yellow-legs,** 1 (carefully studied at close range); **Purple Sandpiper,** 125; **Iceland Gull,** 1; Great Black-backed Gull, 140; Herring Gull, 11,400; Ring-billed Gull, 25; Laughing Gull, 1; Bonaparte's Gull, 2; Mourning Dove, 135 (4 times previous high); Screech Owl, 2; Horned Owl, 1; Snowy Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 11; Yellow-shafted Flicker, 9; Hairy Woodpecker, 27; Downy Woodpecker, 29; Horned Lark, 20; Blue Jay, 170; Am. Crow, 250; Fish Crow, 25; Black-capped Chickadee, 430; Tufted Titmouse, 6; White-breasted Nuthatch, 64; Red-breasted Nuthatch, 12; Brown Creeper, 3; Winter Wren, 5; Carolina Wren, 1; Long-billed Marsh Wren, 3; Catbird, 3; Brown Thrasher, 1; Am. Robin, 16; Hermit Thrush, 3; **Olive-backed Thrush,** 1 (present in Botanical Gardens since Nov. 28); Eastern Bluebird, 1; Golden-crowned Kinglet, 4; Water Pipit, 2; **Loggerhead Shrike,** 1; Common Starling, 3000; Myrtle Warbler, 37; **Palm Warbler** (Western), 2; **Yellow-breasted Chat,** 1; House Sparrow, 850; Eastern Meadowlark, 44; Red-winged Blackbird, 386; Rusty Blackbird, 2; Purple Grackle (Bronzed, 15), 16; Brown-headed Cowbird, 285; Cardinal, 19; Purple Finch, 26; Common Redpoll, 17; Pine Siskin, 154; Am. Goldfinch, 200; Eastern Towhee, 6; Savannah Sparrow, 62; Sharp-tailed Sparrow, 2; **Vesper Sparrow,** 4; Slate-colored Junco, 425; Am. Tree Sparrow, 690; Field Sparrow, 147; White-throated Sparrow, 240; Fox Sparrow, 19; Swamp Sparrow, 26; Song Sparrow, 360; Lapland Longspur, 1; Snow Bunting, 1. **Total,** 113 species (1 additional subspecies), all time high; about 35,454 individuals. (Seen in area Dec. 24: Goshawk, 1; Barred Owl, 1; Red Crossbill, 3.)—R. Arbib, W. Astle, G. Banner, N. Boyajian, P. Buckley, J. Bull (compiler), I. Cantor, H. Darrow, W. Ephraim, W. Feigin, H. Goebel, R. Herbert, R. Kane, R. R. and R. T. Kesner, G. Komorowski, J. Mayer, W. Norse, J. Orenstein, F. Pappalardi, H. Paskin, A. Penberthy, J. Phelan, J. Philips, P. Post, R. Rashbaum, M. Russak, W. Sedwitz, Mrs. K. Skelton, R. Sloss, C. Smith, J. Stegle, A. C., A. M., and R. Thomas, I. Werner, R. Wolk, J. Young.

79. Buffalo, N. Y. (centering on Grand Island, including Niagara River and adjacent areas; open farmland 40%, deciduous woods 15%, parks 7%, Niagara River and Buffalo Harbor 20%, cattail marshes 1%, city, suburban, and industrial areas 17%).—Dec. 26; 5 a.m. to 5 p.m. Clear, clouding in p.m.; temp. 30° to 50°; wind S to SW, 10-20 m.p.h.; ground covered by snow, some streams open, most water covered by thin ice, thawing during late a.m. and early p.m. Forty-seven observers in 16 parties. Total party-hours, 130 (52 on foot, 78 by car); total party-miles, 665 (102 on foot, 563 by car). **Common Loon,** 13; **Red-throated Loon,** 1 (B.N.); **Red-necked Grebe,** 4; Horned Grebe, 11; Great Blue Heron, 18; Black-crowned Night Heron, 11; Mallard, 438; Black Duck, 1229; **Gadwall,** 1 (E.S.); Pintail, 27; Red-head, 6; Canvas-back, 12,151; Greater Scaup, 911; Lesser Scaup, 3; Am. Golden-eye, 1740; Buffle-head, 55; Old-squaw, 30; **White-winged Scoter,** 1 (T.L.B., J.S., W.L.D.); **Surf Scoter,** 1 (B.N.); Am. Scoter, 2; **Hooded Merganser,** 40; Am. Merganser, 855; Red-breasted Merganser, 381; Cooper's Hawk, 2; **Red-tailed Hawk,** 33; Rough-legged Hawk, 8; Bald Eagle, 1; Marsh Hawk, 6; **Peregrine Falcon,** 1 (T.L.B., J.S., W.L.D.); Sparrow Hawk, 96; Ruffed Grouse, 2; Ring-necked Pheasant, 183; **Am. Coot,** 6; **Glaucous Gull,** 9; **Iceland Gull,** 8 (Iceland, 6; Kumlien's, 2); Great Black-backed Gull, 41; Herring Gull, 10,269; **Ring-billed Gull,** 1601; Bonaparte's Gull, 3297; Mourning Dove, 9; **Screech Owl,** 14; Horned Owl, 6; Long-eared Owl, 1; Short-eared Owl, 5; Belted Kingfisher, 3; Hairy Woodpecker, 10;

Downy Woodpecker, 39; **Blue Jay,** 142; Am. Crow, 580; Black-capped Chickadee, 217; White-breasted Nuthatch, 40; Red-breasted Nuthatch, 2; Brown Creeper, 10; Winter Wren, 1; Am. Robin, 3; **Hermit Thrush,** 1 (B.N.); Golden-crowned Kinglet, 5; Gray Shrike, 11; **Common Starling,** 9370; House Sparrow, 2335; Eastern Meadowlark, 7; Red-winged Blackbird, 3; Brown-headed Cowbird, 1; Cardinal, 20; Purple Finch, 1; Am. Goldfinch, 5; **White-winged Crossbill,** 7; Slate-colored Junco, 78; Am. Tree Sparrow, 298; Song Sparrow, 8; Snow Bunting, 100. **Total,** 71 species (1 additional subspecies); about 46,824 individuals.—William H. Almendinger, Dickson Arrick, Harold H. Axtell, Rachel C. Axtell, Anna Mae Bacon, Thomas L. Bourne, Anne Broadbent, Sylvia B. Brockner, W. Winston Brockner, Helen Creighton, Alice Dietrich, M. W. Dietrich, Mary Louise Emerson, Dr. and Mrs. Karl Eschelman, Elizabeth Faul, John Filor, Philip Greene, Kay Gros, Fred T. Hall (compiler), Mr. and Mrs. Raymond C. Kirsch, Hart Kivett, Philip Klabunde, Mr. and Mrs. Walter Klabunde, Mercedeth Lovelace, Harold D. Mitchell, Bernard Nathan, Robert Patell, Frances M. Rew, Wheeler M. Rogerson, Richard C. Rosche, James Savage, Arthur Schaffner, Edward Seeber, Jackie Stains, Lena Turner, Alice Ulrich, Edward C. Ulrich, Gertrude J. Webster, Margaret Wendling, Marie Wendling, Ellen J. Windsor, Frank Witebsky, Irwin Woldman, A. J. Wright (Buffalo Ornithological Society).

80. Conesus Lake, N. Y. (7½-mile radius centering at Long Point Park, including entire lake; water area 90%, wooded shore 10%).—Dec. 28; 9 a.m. to 4 p.m. Overcast; temp. 40° to 45°; wind S to SE, 5-10 m.p.h.; small piles of melting snow in shaded spots. One observer. Total hours, 7 (5 on foot, 2 by car); total miles, 17 (2 on foot, 15 by car). Horned Grebe, 1; Pied-billed Grebe, 1; Great Blue Heron, 1; Mallard, 20; Black Duck, 250; Redhead, 25; Ring-necked Duck, 5; Canvas-back, 450; Greater Scaup, 10; Lesser Scaup, 2; Am. Golden-eye, 60; Buffle-head, 4; Old-squaw, 1; Hooded Merganser, 2; Am. Merganser, 275; Red-breasted Merganser, 10; Red-tailed Hawk, 2; Sparrow Hawk, 2; Ring-necked Pheasant, 10; Am. Coot, 1; Herring Gull, 100; Ring-billed Gull, 2; Screech Owl, 1; Belted Kingfisher, 1; Red-bellied Woodpecker, 3 [no details—Ed.]; Hairy Woodpecker, 2; Downy Woodpecker, 5; Blue Jay, 2; Am. Crow, 15; Black-capped Chickadee, 12; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 1; Gray Shrike, 1; Common Starling, 40; House Sparrow, 40; Cardinal, 2; Am. Goldfinch, 2; Slate-colored Junco, 10; Am. Tree Sparrow, 20; Song Sparrow, 1. **Total,** 40 species; about 1396 individuals.—Harry Van Beurden.

81. Cortland, N. Y. (Tioughnioga River within city limits and 1½-mi. up east branch, south end of Skaneateles Lake, water-works, Gracie Swamp; lake 8%, brushy stream borders 33%, cultivated farmland 25%, coniferous woods 7%, mixed woods 27%).—Jan. 1; 7 a.m. to 6 p.m. Mostly clear; temp. 24° to 45°; wind S, 0-8 m.p.h.; 5-in. hard snow in woods, fields half bare, waters open, streams near flood. Two observers in 2 parties. Total party-hours, 15 (11 on foot, 4 by car); total party-miles, 70 (11 on foot, 59 by car). Horned Grebe, 2; Pied-billed Grebe, 1; Great Blue Heron, 1; Black Duck, 7; Pintail, 6; Greater Scaup, 2; Lesser Scaup, 2; Am. Golden-eye, 28; Am. Merganser, 3; Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 1; Ring-necked Pheasant, 4; Herring Gull, 10; Ring-billed Gull, 2; Screech Owl, 3; Horned Owl, 2; Belted Kingfisher, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 4; Blue Jay, 5; Am. Crow, 22; Black-capped Chickadee, 38; **Brown-capped Chickadee,** 1; White-breasted Nuthatch, 3; Brown Creeper, 5; Winter Wren, 1; Golden-crowned Kinglet, 10; Common Starling, 410; House Sparrow, 525; **Rusty Blackbird,** 1; **Brown-headed Cowbird,** 8 (first census record); Cardinal, 2; **Pine Grosbeak,** 13; Common Redpoll, 3; Slate-colored Junco, 2; Am. Tree Sparrow, 29; Song Sparrow, 2. **Total,** 40 species; about 1167 individuals.—Harold H. Axtell, Rachel C. Axtell.

82. Deposit, N. Y. (7½-mile radius centering on Delaware River 3 miles south of Deposit; river-valley farmland 48%, upland farmland 11%, second-growth mixed woodland 32%, marsh and beaver dam 8%, village streets 1%).—Jan. 1; 7:15 a.m. to 4:35 p.m. Cloudy till noon, then clear; temp. 31° to 36°; wind S, 0-10 m.p.h.; ground bare in valley, uplands (over 1500 ft.) sheathed in ¼-in. ice; Oquaga Lake 80% frozen, other ponds frozen, streams and river open. One observer. Total hours, 9 (4¾ on foot, 4¼ by car); total miles, 65½ (7 on foot, 58½ by car). Am. Merganser, 4; Ruffed Grouse, 2; Belted Kingfisher, 1; Blue Jay, 4; Black-capped Chickadee, 30; White-breasted Nuthatch, 2; Brown Creeper, 4; Golden-crowned Kinglet, 5; Common Starling, 13; House Sparrow, 76; Slate-colored Junco, 2; Am. Tree Sparrow, 12. **Total,** 12 species; 155 individuals. (Seen in area Dec. 26: Great Blue Heron, Snow Bunting, 6; Jan. 2: Horned Owl, Downy Woodpecker.)—S. S. Wilson, Jr.

83. Elmira, N. Y. (same area as last year).—Jan. 1; 7:30 a.m. to 5 p.m. Dense fog except on high elevations; temp. 23° to 30°; wind NW, 5-10 m.p.h.; ground frozen, bare except in high elevations, ponds and small streams frozen. Fifty-nine observers (33 in 11 parties, 26 at feeding stations). Total party-hours, 64 (31 on foot, 33 by car); total party-miles, 335 (48 on foot, 287 by car). Am. Merganser, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 5; Ruffed Grouse, 5; Ring-necked Pheasant, 6; Herring Gull, 5; Ring-billed Gull, 3; Mourning Dove, 30; Horned Owl, 1; Long-eared Owl, 3; Belted Kingfisher, 5; Pileated Woodpecker, 6; **Yellow-bellied Sapsucker,** 1 (G.R.); Hairy Woodpecker, 35; Downy Woodpecker, 72; **Eastern Phoebe,** 1 (A.F.); Horned Lark, 16 (Northern, 14; Prairie, 2); Blue Jay, 236; Am. Crow, 226; Black-capped Chickadee, 350; Tufted Titmouse, 1; White-breasted Nuthatch, 82; Red-breasted Nuthatch, 2; Brown Creeper, 9; Winter Wren, 2; Am. Robin, 1; Cedar Waxwing, 14; Gray Shrike, 1; Common Star-

ling, 790; House Sparrow, 1489; Brown-headed Cowbird, 14; Cardinal, 52; Purple Finch, 3; Pine Grosbeak, 16; Pine Siskin, 5; Am. Goldfinch, 71; **White-winged Crossbill,** 2 (L.A.); Slate-colored Junco, 79; Am. Tree Sparrow, 111; Song Sparrow, 10. **Total,** 41 species (1 additional subspecies); about 3763 individuals.—Leonard and Richard Andrus, Mr. and Mrs. Elmer Brimmer, Billy Brimmer, Marguerite Campbell, Dick Carlson, Jere Clark, John Arnesen. Mr. and Mrs. Albert Fudge, Clinton Fudge, Jr., Bruce Fudge, Kay Fudge, Fred Harris, Wilfred Howard, Arthur Kopp, Mrs. Otis Lawrence, Mr. and Mrs. Carland Mann, Glenna Rowley, Helen Samson, Dr. Wm. Shipman, Mary Smith, George Van Kirk, Mr. and Mrs. Hubert Walker, Mary Welles (compiler), Matt Welles, Jon Wintamute, G. E. Wilcox, Lacey Woodward, Olive York (Chemung Valley Audubon Society).

84. Fort Plain, N. Y. (Mohawk River, valleys of Oak, Otsquene, Otsquago, and Otstungo creeks; Oak Hill, Mineral Springs and Valley Brook woods; mixed deciduous and coniferous woods 50%, open farmland 20%, river swamps and flats 30%).—Dec. 27; 8 a.m. to 6 p.m. Partly cloudy; temp. 22° to 32°; wind SE, 1-3 m.p.h.; 1-in. snow on ground, river and creeks open, floating ice in river. One observer. Total hours, 10 (on foot); total miles, 12 (on foot). Black Duck, 2; Am. Merganser, 4; Sharp-shinned Hawk, 1; Marsh Hawk, 1; Herring Gull, 2; Belted Kingfisher, 2; Hairy Woodpecker, 6; Downy Woodpecker, 7; Blue Jay, 4; Am. Crow, 4; Black-capped Chickadee, 33; White-breasted Nuthatch, 5; Common Starling, 56; House Sparrow, 23; Pine Grosbeak, 1; Common Redpoll, 3; Am. Tree Sparrow, 20; Song Sparrow, 3; Snow Bunting, 600 (one large flock). **Total,** 19 species; 777 individuals.—Douglas Ayres, Jr.

85. Geneva, N. Y. (including Waterloo, Montezuma Refuge and Seneca Lake; open farmland 45%, town suburbs 15%, mixed woods 25%, lake 15%). —Dec. 26; 9 a.m. to 4:30 p.m. Clear; temp. 33° to 40°; wind S, fresh; snow-covered ground, Seneca Lake open. Eight observers in 5 parties. Total party-hours, 17½ (10½ on foot, 7 by car); total party-miles, 96¾ (3¾ on foot, 93 by car). Horned Grebe, 13; Pied-billed Grebe, 1; Canada Goose, 2; Black Duck, 353; Redhead, 2003; Greater Scaup, 3500; Lesser Scaup, 500; Am. Golden-eye, 4; **White-winged Scoter,** 1; Red-breasted Merganser, 4; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 3; Rough-legged Hawk, 1; Sparrow Hawk, 7; Ring-necked Pheasant, 57; Am. Coot, 50; Great Black-backed Gull, 29; Herring Gull, 257; Ring-billed Gull, 39; Mourning Dove, 8; Yellow-shafted Flicker, 1; Hairy Woodpecker, 8; Downy Woodpecker, 9; Blue Jay, 5; Am. Crow, 2026; Black-capped Chickadee, 45; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 1; **Carolina Wren,** 1 (seen at feeder); Common Starling, 44; House Sparrow, 575; Cardinal, 17; Slate-colored Junco, 15; Am. Tree Sparrow, 17. **Total,** 35 species; about 9609 individuals.—Leora M. Dryer, Dr. and Mrs. S. A. Munford, Ethel M. Murden, Guion T. Roland, Janet Seeley, Jason A. Walker, Marcia H. Winn (Eaton Bird Club).

86. Gouverneur, N. Y. (7½-mile radius centering on village park; open farmland 50%, Hemlock and hardwood groves 30%, village streets 10%, river bank 10%).—Dec. 26; 7:30 a.m. to 3.30 p.m. Partly overcast; temp. 24° to 36°; wind SW, 5-10 m.p.h.; 6-10-in. snow on ground, some open water. One observer. Total hours, 8 (4 on foot, 4 by car); total miles, 45 (5 on foot, 40 by car). Ruffed Grouse, 4; Hairy Woodpecker, 3; Downy Woodpecker, 1; Blue Jay, 1; Black-capped Chickadee, 21; White-breasted Nuthatch, 1; Brown Creeper, 3; Common Starling, 150; House Sparrow, 1; Common Redpoll, 18; Am. Tree Sparrow, 2. **Total,** 11 species; about 205 individuals.—J. B. Belknap.

87. Hamburg, Orchard Park, East Aurora, N. Y. (7½-mile radius centering on Chestnut Ridge Park; area same as last year; open farmland 60%, public parks 10%, suburban area 5%, deciduous woods 15%, evergreen woods 4%, cattail marsh 1%, small ponds and one mile of Lake Erie shore 5%).—Jan. 2; 7:30 a.m. to 5 p.m. Cloudy, clearing for one hour at 11 a.m.; temp. 40° to 45°; wind W, 25-35 m.p.h.; ponds open, streams overflowing, hampering hiking. Forty-nine observers in 16 parties. Total party-hours, 115 (65 on foot, 50 by car); total party-miles, 779 (67 on foot, 712 by car). Mallard, 7; Am. Golden-eye, 3; Red-breasted Merganser, 2; Red-tailed Hawk, 3; Sparrow Hawk, 15; Ruffed Grouse, 3; Ring-necked Pheasant, 22; Herring Gull, 193; Ring-billed Gull, 27; Mourning Dove, 1; Belted Kingfisher, 2; Pileated Woodpecker, 1; Hairy Woodpecker, 13; Downy Woodpecker, 31; Blue Jay, 42; Am. Crow, 679; Black-capped Chickadee, 319; **Brown-capped Chickadee,** 1; White-breasted Nuthatch, 40; Red-breasted Nuthatch, 4; Brown Creeper, 6; Carolina Wren, 2; Golden-crowned Kinglet, 15; Cedar Waxwing, 1; Gray Shrike, 1; Common Starling, 830; House Sparrow, 729; Cardinal, 16; Pine Grosbeak, 6; Pine Siskin, 3; Slate-colored Junco, 24; Am. Tree Sparrow, 85; Song Sparrow, 1. **Total,** 33 species; about 3127 individuals.—Mrs. Agnes Abrams, William Almendinger, Mr. and Mrs. John Bacon, T. L. Bourne, Alma Bowen, Charles B. Bradley, Richard Byron, John Caul, Mr. and Mrs. Edward Cummiskey, Mrs. James Creighton, Dorothea Duttweiler, Mrs. Earl F. Dye, James Edmonds, John Edmonds, Dr. and Mrs. Karl Eschelman, Mr. and Mrs. G. N. Frederickson, James Gregory, Lawrence Grsevinsky, Donald Kanski, Ralph Killinger, Mr. and Mrs. Raymond Kirsch, Clayton Knox, Cheryl Lindstrom, Mercedeth Lovelace, Ethel Melberg, Harold Mitchell, Frances M. Rew, Frances G. Rew, Frances Rathbren, J. E. Stonitsch, Mrs. Roger Samdahl, Francis Tilley, Lena Turner, Mr. and Mrs. Edward Ulrich, Frank Unger, Al Wander, Gertrude Webster, Margaret Wendling, Marie Wendling, William Wild, Mr. and Mrs. Stephan Wixom, Cyril Wolfling.

88. Jamestown, N. Y. (7½-mile radius centering on 6th and Main Sts., north to Gerry, south to Riverside, east to Poland Center, west to Ashville; open water 20%, deciduous 20%, fields 19%, marsh 3%, coniferous 32%, suburbs 6%).—Jan. 2; 7 a.m. to 4:30 p.m. Cloudy during a.m., warm and sunny during p.m.; temp. 32° to 40°; wind S, 15-20 m.p.h.; rivers and outlet of Chautauqua Lake open, lake completely frozen. Nine observers in 4 parties. Total party-hours, 22 (10 on foot, 12 by car); total party-miles, 55 (18 on foot, 37 by car). Whistling Swan, 1; Canvas-back, 5; Greater Scaup, 1; Am. Golden-eye, 80; Sparrow Hawk, 4; Ruffed Grouse, 3; Ring-necked Pheasant, 15; Am. Coot, 2; Ring-billed Gull, 4; Screech Owl, 2; Barred Owl, 1; Belted Kingfisher, 3; Pileated Woodpecker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 11; Blue Jay, 15; Am. Crow, 4; Black-capped Chickadee, 96; White-breasted Nuthatch, 15; Brown Creeper, 11; **Carolina Wren,** 2 (carefully studied—P.R., R.H.S.); Golden-crowned Kinglet, 19; Gray Shrike, 1; Common Starling, 389; House Sparrow, 208; Cardinal, 5; Evening Grosbeak, 16; Purple Finch, 1; Am. Goldfinch, 7; White-winged Crossbill, 2; Slate-colored Junco, 6; Am. Tree Sparrow, 46; Field Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 3. **Total,** 35 species; about 985 individuals. (In area during count period: Winter Wren, 1; Am. Robin, 1; Red Crossbill, 4.)—Daniel Anderson, E. Arands, Clarence Beal, Annabelle Hiller, P. Lenna, Claude Parker, Peter Robinson, Robert A. Sundell, Roger H. Sundell (compiler).

89. Keuka Park, N. Y. (same area and percentages as preceding year).—Jan. 2; 7:30 a.m. to 5 p.m.; temp. 35° to 40°; wind W, 15 m.p.h. Ten observers in 6 parties. Total party-hours, 23 (13 on foot, 10 by car); total party-miles, 105 (25 on foot, 80 by car). Common Loon, 1; Horned Grebe, 55; Pied-billed Grebe, 8; Mallard, 90; Black Duck, 60; Am. Widgeon, 5; Redhead, 100; Canvas-back, 150; Greater Scaup, 700; Am. Golden-eye, 200; Bufflehead, 7; Old-squaw, 2; Hooded Merganser, 4; **Red-breasted Merganser,** 4; Red-tailed Hawk, 4; Sparrow Hawk, 5; Ring-necked Pheasant, 18; Am. Coot, 160; Great Black-backed Gull, 2; Herring Gull, 33; Ring-billed Gull, 23; Mourning Dove, 3; Screech Owl, 1; Horned Owl, 1; Belted Kingfisher, 2; Hairy Woodpecker, 8; Downy Woodpecker, 11; Blue Jay, 4; Am. Crow, 31; Black-capped Chickadee, 60; White-breasted Nuthatch, 10; Brown Creeper, 2; Carolina Wren, 1; Golden-crowned Kinglet, 5; Common Starling, 66; House Sparrow, 155; Brown-headed Cowbird, 1; Cardinal, 9; Am. Goldfinch, 6; Slate-colored Junco, 1; Am. Tree Sparrow, 70; Field Sparrow, 1; White-throated Sparrow, 1; Song Sparrow, 3. **Total,** 44 species; about 2083 individuals.—Mr. and Mrs. E. M. Bingham, F. K. Guthrie (compiler), Robert Guthrie, Mr. and Mrs. Malcolm Lerch, Earl Orcutt, Francis Orcutt, Mrs. Wade Thompson, Mrs. John N. Whitaker.

90. Kingston–Mohonk Lake–Ashokan Reservoir, N. Y. (same area as before, but leaving out the Dunbar farm of 84 acres).—Dec. 26; 7 a.m. to 4:30 p.m.; temp. 15° to 40°; wind S, 8-15 m.p.h.; clear sky to light cirrus clouds. Seven observers in 4 parties. Total party-hours, 18¼ (11¾ on foot, 6½ by car); total party-miles, 57 (13 on foot, 44 by car). Am. Golden-eye, 7; Red-tailed Hawk, 2; Marsh Hawk, 3; Ruffed Grouse, 4; Ring-necked Pheasant, 3; Herring Gull, 1; Mourning Dove, 36; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 13; Blue Jay, 28; Am. Crow, 67; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 2; Brown Creeper, 1; Am. Robin, 7; **Hermit Thrush,** 1; Eastern Bluebird, 6; Golden-crowned Kinglet, 5; Common Starling, 171+; Myrtle Warbler, 1; House Sparrow, 101+; Eastern Meadowlark, 20; Cardinal, 3; Evening Grosbeak, 3; Purple Finch, 10; Pine Grosbeak, 32; Pine Siskin, 7; Am. Goldfinch, 5; Slate-colored Junco, 48; Am. Tree Sparrow, 64; White-throated Sparrow, 11; **Swamp Sparow,** 1; Song Sparrow, 2. **Total,** 35 species; about 686 individuals.—F. Hough, D. Smiley, P. Smiley, R. Van Valkenburgh, R. Pyle, N. Croom, P. Rippert (John Burroughs Natural History Society).

91. Manhattan Island, N. Y. (same area as last year with addition of Welfare Island).—Dec. 26; 7:30 a.m. to 5 p.m. Clear; temp. 30° to 40°; wind variable, 2-4 m.p.h.; ground and water free from snow and ice. Ten observers in 4 parties. Total party-hours, 22 (12 on foot, 2 by car, 8 by boat); total party-miles, 115 (25 on foot, 30 by car, 60 by boat). Black-crowned Night Heron, 1; Mallard, 156; Black Duck, 326; **Gadwall,** 4 (6 observers); **European Widgeon,** 3 (6 observers); Am. Widgeon, 30; Green-winged Teal, 6; Ring-necked Duck, 1; Canvas-back, 1; Greater Scaup, 3252; Lesser Scaup, 23; Am. Golden-eye, 26; Buffle-head, 1; Am. Merganser, 10; Red-breasted Merganser, 21; Red-tailed Hawk, 1; Sparrow Hawk, 5; Ring-necked Pheasant, 2; Great Black-backed Gull, 24; Herring Gull, 5395; Ring-billed Gull, 203; **Black-headed Gull,** 3 (R.R., M.R.); Laughing Gull, 3; Bonaparte's Gull, 580; **Little Gull,** 2 (seen at close range, all marks noted, observers familiar with species, R.R., M.R.); Yellow-shafted Flicker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 14; Blue Jay, 13; Am. Crow, 3; Black-capped Chickadee, 14; White-breasted Nuthatch, 9; **Mockingbird,** 1 (R.R., M.R.); Am. Robin, 5; **Hermit Thrush,** 1 (H.B., V.B.); Common Starling, 107,000; House Sparrow, 510; Red-winged Blackbird, 4; Rusty Blackbird, 1; Purple Grackle, 3; Brown-headed Cowbird, 5; Cardinal, 5; Slate-colored Junco, 43; Am. Tree Sparrow, 1; **Chipping Sparrow,** 4 (6 observers); White-throated Sparrow, 45; Swamp Sparrow, 1; Song Sparrow, 16. **Total,** 48 species; about 117,782 individuals. (Seen in area from Thanksgiving till day before census: Red-bellied Woodpecker.)—Herman Bauer, Vernon Bauer, William Cooney, Ezra Feinberg, Malcom Gordon, Max Maumory, Mrs. Pauline Messing, Henry Ryan, Marilynn Ryan, Richard Ryan (compiler).

92. Monticello, N. Y. (area and habitat coverage same as last year).—Jan. 1; 7:30 a.m. to 5 p.m. Overcast at start, clear in p.m.; temp. 20° to 26°;

wind SSE to W, 1-3 m.p.h.; no snow, ponds and lakes frozen, rivers and reservoir 50% open. Seventeen observers in 7 parties. Total party-hours, 34½ (3½ on foot, 31 by car); total party-miles, 208 (7 on foot, 201 by car). Black Duck, 2; Hooded Merganser, 3; Am. Merganser, 6; Cooper's Hawk, 1; Bald Eagle, 3; Sparrow Hawk, 1; Ruffed Grouse, 5; Screech Owl, 1; Pileated Woodpecker, 3; Hairy Woodpecker, 14; Downy Woodpecker, 13; Blue Jay, 156; Am. Crow, 20; Black-capped Chickadee, 93; **Brown-capped Chickadee,** 1 (carefully identified—K.D.N.); White-breasted Nuthatch, 27; Red-breasted Nuthatch, 1; Brown Creeper, 1; Am. Robin, 1; Common Starling, 418; House Sparrow, 257; Rusty Blackbird, 1; Evening Grosbeak, 259; Pine Grosbeak, 149; Am. Goldfinch, 17; **Eastern Towhee,** 2 (at feeder for 5 weeks); Slate-colored Junco, 3; Am. Tree Sparrow, 63; **Field Sparrow,** 2; Snow Bunting, 8. **Total,** 30 species; about 1531 individuals. (Seen in area during count period: Ring-necked Pheasant, 1; Golden-crowned Kinglet, 2; Cardinal, 2.)—Mr. and Mrs. Charles Atwell, Pauline Chernick, Mr. and Mrs. George E. Dimock, Margaret Fogarty, Roy Gorton, Mr. and Mrs. M. C. Hammond, Mr. and Mrs. Edward McBride, Kristy and Marla McBride, Mr. (compiler) and Mrs. Kenneth D. Niven, Mrs. Delmont R. Race, Mrs. Estella Schulman (Sullivan County Audubon Society).

93. Olean, N. Y. (same area and habitat coverage as in 1953).—Jan. 2; 7 a.m. to 5 p.m. Cloudy in a.m., clear in p.m.; temp. 34° to 40°; wind W, 10-20 m.p.h. Allegheny River and tributaries not frozen, marshes and small ponds ice-bound. Nine observers in 5 parties. Total party-hours, 21 (14 on foot, 7 by car); total party-miles, 78 (8 on foot, 70 by car). Black Duck, 1; Pintail, 1; Cooper's Hawk, 1; Ruffed Grouse, 1; Barred Owl, 1; Belted Kingfisher, 1; Hairy Woodpecker, 3; Downy Woodpecker, 2; Blue Jay, 14; Am. Crow, 1; Black-capped Chickadee, 122; Brown-capped Chickadee, 1; White-breasted Nuthatch, 7; Brown Creeper, 1; Golden-crowned Kinglet, 12; Common Starling, 102; House Sparrow, 381; Cardinal, 5; Slate-colored Junco, 4; Am. Tree Sparrow, 21; Song Sparrow, 4. **Total,** 21 species; about 686 individuals. (Seen in area during week: Evening Grosbeak.)—E. H. Donahue, S. W. Eaton (compiler), F. Liegey, F. G. Meyer, Mr. and Mrs. L. H. Parsons, D. Parsons, R. Smith, R. Werrlein.

94. Oneonta, N. Y. (7½-mile radius centering on State Teachers College, including Goodyear Lake and Wilber Lake; pasture 15%, plow land 15%, town suburbs 15%, open water 15%, ice-covered water 10%, cattail marsh 5%, pine groves 10%, deciduous woodland 15%).—Dec. 29; 6:15 a.m. to 5 p m. Low, dark clouds; temp. 32° to 36°; wind calm; ground 90% barren, trace of precipitation. Nine observers in 3 parties. Total party-hours, 37 (25 on foot, 12 by car); total party-miles, 223 (48 on foot, 175 by car). Ruffed Grouse, 1; Ring-necked Pheasant, 1; Hairy Woodpecker, 7; Downy Woodpecker, 2; Blue Jay, 19; Am. Crow, 2; Black-capped Chickadee, 63; White-breasted Nuthatch, 6; Brown Creeper, 2; Common Starling, 70; House Sparrow, 42; Cardinal, 2; Evening Grosbeak, 26; Pine Grosbeak, 1; Pine Siskin, 2; Am. Goldfinch, 15; Slate-colored Junco, 7; Am. Tree Sparrow, 36; Song Sparrow, 1. **Total,** 19 species; 305 individuals.—Robert M. Burland, Mrs. Robert M. Burland, Robert Goodwin, David Hurley, Robert W. Rounds, Christopher Rounds, Steven Rounds, John Whitaker, Emery L. Will (compiler).

95. Peekskill, N. Y. (15-mile diameter north to Westchester County line, south to Croton Point, west to Hudson River, east to Amawalk Reservoir; river 25%, lakes 37%, marshes 14%, deciduous woods 10%, coniferous groves 7%, meadowland 7%).—Jan. 1; 7 a.m. to 4 p.m. Sunny, clear; temp. 28° to 45°; wind W, 2 m.p.h.; all small ponds frozen. Eleven observers in 2 parties. Total party-hours, 18 (13 on foot, 5 by car); total party-miles, 96 (11 on foot, 85 by car). Pied-billed Grebe, 5; Mallard, 25, Black Duck, 96; Redhead, 5; Ring-necked Duck, 116; Canvas-back, 241; Greater Scaup, 95; Am. Golden-eye, 26; Hooded Merganser, 8; Am. Merganser, 103; Cooper's Hawk, 1; Red-tailed Hawk, 2; Bald Eagle, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 1; Am. Coot, 4; Killdeer, 8; Great Black-backed Gull, 7; Herring Gull, 2213; Barred Owl, 1; Saw-whet Owl, 1 (dead); Belted Kingfisher, 3; Hairy Woodpecker, 5; Downy Woodpecker, 9; Blue Jay, 22; Am. Crow, 103; Black-capped Chickadee, 51; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 3; Brown Creeper, 3; Winter Wren, 1; Am. Robin, 6; Eastern Bluebird, 5; Ruby-crowned Kinglet, 2; Common Starling, 996; Myrtle Warbler, 6; House Sparrow, 217; Red-winged Blackbird, 50; Purple Grackle, 1; Cardinal, 4; Pine Grosbeak, 4; Pine Siskin, 6; Am. Goldfinch, 18; Slate-colored Junco, 132; Am. Tree Sparrow, 92; White-throated Sparrow, 14; Swamp Sparrow, 9; Song Sparrow, 9. **Total,** 48 species; about 4747 individuals.—M. Brech, Joan Given, John Given, A. Gochfeld, M. Gochfeld, N. Marer, P. Marer, J. R. Nolan, R. Odell, Jr., R. Raymond, M. Sellers (Naturalists' Workshop).

96. Port Chester, N. Y.—Greenwich–Stamford, Conn. (same area as last 33 years).—Dec. 26; 6 a.m. to 6 p.m. Clear; temp. 20° to 37°; wind NW, 5-10 m.p.h.; ponds mostly frozen, reservoirs open, ground bare. Seventy-five observers in 10 parties, plus 25 observers at feeding stations. Total party-hours, 105 (76 on foot, 26 by car, 3 by boat); total party-miles, 544 (112 on foot, 422 by car, 10 by boat). Common Loon, 9; Red-throated Loon, 6; Horned Grebe, 220; Pied-billed Grebe, 6; European Cormorant, 14; Great Blue Heron, 31; Black-crowned Night Heron, 31; Mute Swan, 41; Canada Goose, 173; Mallard, 756; Black Duck, 1911; Am. Widgeon, 3; Shoveller, 2; **Wood Duck,** 2; Ring-necked Duck, 42; Canvas-back, 1; Greater Scaup, 1670; **Lesser Scaup,** 165; Am. Golden-eye, 268; Buffle-head, 253; Old-squaw, 256; White-winged Scoter, 356; Surf Scoter, 34; Am. Scoter, 2; Ruddy Duck, 9; Hooded Merganser, 37; Am. Merganser, 58; Red-breasted Merganser, 209; **Turkey Vulture,** 3 [no details—Ed.]; Sharp-shinned Hawk, 1; Cooper's Hawk, 1;

Red-tailed Hawk, 6; Red-shouldered Hawk, 13; Peregrine Falcon, 1; Sparrow Hawk, 9; Ruffed Grouse, 2; Ring-necked Pheasant, 29; Clapper Rail, 1; Am. Coot, 1; Killdeer, 15; Great Black-backed Gull, 11; Herring Gull, 1385; Ring-billed Gull, 47; **Laughing Gull,** 3; Mourning Dove, 166; Barn Owl, 1; Screech Owl, 1; Horned Owl, 1; Barred Owl, 2; Long-eared Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 12; Yellow-shafted Flicker, 21; Pileated Woodpecker, 7; **Red-headed Woodpecker,** 2; **Yellow-bellied Sapsucker,** 2; Hairy Woodpecker, 55; Downy Woodpecker, 137; Blue Jay, 402; Am. Crow, 424; Fish Crow, 2; Black-capped Chickadee, 740; Tufted Titmouse, 18; White-breasted Nuthatch, 169; Red-breasted Nuthatch, 11; Brown Creeper, 4; Winter Wren, 2; Carolina Wren, 1; Catbird, 2; Brown Thrasher, 1; Am. Robin, 44; Hermit Thrush, 4; Eastern Bluebird, 100; Golden-crowned Kinglet, 38; Ruby-crowned Kinglet, 3; Cedar Waxwing, 69; Gray Shrike, 3; Common Starling, 2107; Myrtle Warbler, 185; House Sparrow, 488; Eastern Meadowlark, 5; Red-winged Blackbird, 9; Purple Grackle, 4; Brown-headed Cowbird, 142; Cardinal, 37; **Dickcissel,** 1; Evening Grosbeak, 7; Purple Finch, 79; House Finch, 50; Pine Grosbeak, 6; Common Redpoll, 2; Pine Siskin, 257; Am. Goldfinch, 211; Eastern Towhee, 1; Savannah Sparrow, 2; **Vesper Sparrow,** 1 (W.H.); Slate-colored Junco, 767; Am. Tree Sparrow, 252; **Chipping Sparrow,** 5 [no details—ED.]; Field Sparrow, 23; White-throated Sparrow, 224; Fox Sparrow, 6; Swamp Sparrow, 5; Song Sparrow, 240; Snow Bunting, 1. **Total,** 105 species; about 15,656 individuals. (Seen during period: Brown-capped Chickadee and Saw-whet Owl.)—A. Agnew, Mr. and Mrs. A. Anable, T. Appel, Mr. and Mrs. D. Barmettler, J. Beekley, G. Bent, E. Blodgett, L. Bowen, Leonard Bradley, Mr. and Mrs. M. Brown, Mr. and Mrs. R. Bushnell, G. Carruth, Mrs. L. Chamberlain, Mrs. Close, William B. Cook (compiler), V. Cypher, Mrs. E. Eagan, Mrs. E. Easton, Mr. and Mrs. C. Ellis, Mr. and Mrs. G. Everett, W. Fennell, D. Fiero, G. Fiero, Sr., G. Fiero, Jr., C. Fitch, Devin Garrity, Mrs. W. Geis, R. Hamershlag, W. Hastings, Mrs. F. Hayes, R. Hornblower, P. Jessup, R. Jessup, Mrs. W. Jessup, D. Kelly, F. Larkin, N. Lethbridge, E. Luhde, J. Malone, Elizabeth S. Manning, J. Maples, Charles Mohr, Douglas Morrison, Kenneth Morrison, Jack Moxhay, J. Murphy, D. MacDougall, Mrs. L. Nettleton, Mrs. R. Norton, H. Reid, S. Reid, Mrs. A. Rockefeller, Mrs. F. Rose, D. Ross, Jr., W. Russell, A. Schulman, L. Schofield, W. Scofield, Mr. and Mrs. G. Shaw, F. Shepard, G. Simmons, Jr., P. C. Spofford, Mrs. R. Steinhardt, R. Thompson, B. Winquist, R. Worssam, Mr. and Mrs. J. Zwiefel (Greenwich Audubon Society, assisted by Bedford, Scarsdale, Saw Mill River and Westport Audubon Societies and E. P. Felt Nature Club).

97. Putnam County, N. Y. (15-mile diameter north to county line, south to county line, west to Hudson River, east to Carmel; river 25%, lakes 25%, marshes 18%, deciduous woods 22%, coniferous groves 5%, meadowland 5%).—Jan. 2; 7 a.m. to 4 p.m. Heavy fog to 10 a.m.; temp. 37° to 34°; wind nil to NW, 20 m.p.h.; all small ponds frozen. Four observers in 2 parties. Total party-hours, 18 (11 on foot, 7 by car); total party-miles, 111 (8 on foot, 103 by car). Pied-billed Grebe, 15; Black Duck, 3; Ring-necked Duck, 3; Canvas-back, 5; Greater Scaup, 1; Am. Golden-eye, 14; Buffle-head, 6; Old-squaw, 1; Hooded Merganser, 2; Am. Merganser, 25; Bald Eagle, 2; Ruffed Grouse, 2; Am. Coot, 52; Great Black-backed Gull, 3; Herring Gull, 32; Belted Kingfisher, 1; Hairy Woodpecker, 5; Downy Woodpecker, 11; Blue Jay, 21; Am. Crow, 19; Black-capped Chickadee, 44; White-breasted Nuthatch, 6; Am. Robin, 6; Common Starling, 14; House Sparrow, 52; Red-winged Blackbird, 1; Cardinal, 3; Evening Grosbeak, 45; Pine Siskin, 6; Am. Goldfinch, 8; Slate-colored Junco, 13; Am. Tree Sparrow, 54; White-throated Sparrow, 2; Swamp Sparrow, 2; Song Sparrow, 9. **Total,** 35 species; 488 individuals. (Seen in area Dec. 28: Pileated Woodpecker, 1; Common Redpoll, 20.)—M. Brech, J. R. Nolan, R. Odell, Jr., R. Raymond (Naturalists' Workshop).

98. Rochester, N. Y. (7½-mile radius centering on Dewey Ave. and Stone Rd. as in 1953).—Dec. 26; 6 a.m. to 6 p.m. Sunny; temp. 27° to 46°; wind S, 8 m.p.h.; 1-3-in. snow on ground, ponds frozen, Lake Ontario and bays open. Thirty-seven observers in 16 parties. Total party-hours, 94 (61 on foot, 33 by car); total party-miles, 391 (87 on foot, 304 by car). Horned Grebe, 2; Great Blue Heron, 1; **Am. Bittern,** 1 (W.L.); Mallard, 55; Black Duck, 228; Pintail, 1; Redhead, 1; Ring-necked Duck, 1; Greater Scaup, 330; Lesser Scaup, 11; Am. Golden-eye, 180; Buffle-head, 8; Old-squaw, 654; **White-winged Scoter,** 22; Hooded Merganser, 2; Am. Merganser, 447; Red-breasted Merganser, 128; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 10; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 17; Ring-necked Pheasant, 172; **Virginia Rail,** 2 (T.B., W.C.); **Am. Coot,** 2; Iceland Gull, 1; Great Black-backed Gull, 74; Herring Gull, 3451; Ring-billed Gull, 1313; Bonaparte's Gull, 113; Mourning Dove, 1; Screech Owl, 11; Horned Owl, 6; **Snowy Owl,** 3; Short-eared Owl, 1; **Belted Kingfisher,** 4; Yellow-shafted Flicker, 4; **Hairy Woodpecker,** 31; Downy Woodpecker, 53; Horned Lark, 5; **Blue Jay,** 62; Am. Crow, 5124; Black-capped Chickadee, 292; **Tufted Titmouse,** 1 (at feeding station); White-breasted Nuthatch, 30; Red-breasted Nuthatch, 10; Brown Creeper, 3; Winter Wren, 2; Long-billed Marsh Wren, 2; Am. Robin, 1; Hermit Thrush, 1; Eastern Bluebird, 1; Golden-crowned Kinglet, 5; Cedar Waxwing, 187; **Gray Shrike,** 8; Common Starling, 1691; Myrtle Warbler, 7; **Common Yellowthroat,** 1 (W.L., T.B.); House Sparrow, 790; Eastern Meadowlark, 3; Red-winged Blackbird, 7; Rusty Blackbird, 8; **Cardinal,** 67; Evening Grosbeak, 2; Pine Grosbeak, 42; Common Redpoll, 87; Pine Siskin, 12; **Am. Goldfinch,** 98; Slate-colored Junco, 58; Am. Tree Sparrow, 371; White-throated Sparrow, 1; **Fox Sparrow,** 1; Swamp Sparrow, 6; Song Sparrow, 26; **Lapland Longpsur,** 17; **Snow Bunting,** 170. **Total,** 77 species; about 16,545 individuals.—Dr. C. F. H. Allen, T. Barry, D. Bieber, H. and R.

Boers, H. Clements, W. Corcoran, Mr. and Mrs. R. Dakin, Mr. and Mrs. G. Denison, R. E. Dolan, R. J. Dolan, H. Foster, H. Gordon, R. Hartwell, G. Jones, Jr., Mr. and Mrs. A. Kemnitzer, S. Leary, Dr. G. Leubner, W. Listman, E. McCarthy, R. McKinney, H. Miller, Dr. and Mrs. N. Moon, Dr. W. Muchmore, D. Nelson, R. O'Hara, H. and O. Schaefer, A. Secker, Rev. and Mrs. F. Taft, Dr. L. Tanghe, H. VanBeurden (Genesee Ornithological Society and Burroughs-Audubon Nature Club).

99. Rockland County, N. Y. (same area and habitat coverage as last year).—Dec. 26; 5:30 a.m. to 5:15 p.m. Clear; temp. 20° to 39°; wind variable, 0-5 m.p.h.; ground bare, lakes and ponds frozen but streams open. Forty observers in 9 parties. Total party-hours, 104 (75 on foot, 29 by car); total party-miles, 352 (76 on foot, 276 by car). Horned Grebe, 1; Pied-billed Grebe, 2; Mute Swan, 1; Mallard, 32; Black Duck, 217; Pintail, 2; Redhead, 1; Canvasback, 250+; scaup (sp.), 61; Am. Golden-eye, 155; Ruddy Duck, 211; Am. Merganser, 152; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-shouldered Hawk, 12; Bald Eagle, 3; Marsh Hawk, 1; Sparrow Hawk, 3 (very low); Ruffed Grouse, 1; Ring-necked Pheasant, 3; Am. Coot, 12; Great Black-backed Gull, 13; Herring Gull, 649+; Ring-billed Gull, 14; Mourning Dove, 17; Screech Owl, 1; Barred Owl, 2; Belted Kingfisher, 6; Yellow-shafted Flicker, 9; Pileated Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 55; Downy Woodpecker, 133; Blue Jay, 301; Am. Crow, 255; **Fish Crow,** 1 (M.R.H.); Black-capped Chickadee, 515; Tufted Titmouse, 145; White-breasted Nuthatch, 150; Red-breasted Nuthatch, 2; Brown Creeper, 13; Winter Wren, 2; Carolina Wren, 2; **Long-billed Marsh Wren,** 1 (E.G.B.); Mockingbird, 1; Catbird, 1; Am. Robin, 9; Hermit Thrush, 2; Eastern Bluebird, 51; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 2; Cedar Waxwing, 6; Gray Shrike, 1; Common Starling, 1931; Myrtle Warbler, 190; House Sparrow, 907; Eastern Meadowlark, 7; **Red-winged Blackbird,** 110+ (high); Rusty Blackbird, 2; **Purple Grackle,** 40 (high); **Brown-headed Cowbird,** 49 (high); Cardinal, 77; **Evening Grosbeak,** 1 (F.H.I.); Purple Finch, 47; Pine Grosbeak, 3; **Pine Siskin,** 216 (very high); Am. Goldfinch, 152; **Red Crossbill,** 2 (T.G.D.); Eastern Towhee, 2; Savannah Sparrow, 1; Slate-colored Junco, 784; **Am. Tree Sparrow,** 762 (high); Field Sparrow, 15; White-throated Sparrow, 256; Fox Sparrow, 2; Swamp Sparrow, 2; Song Sparrow, 75; **Snow Bunting,** 3. **Total,** 78 species; about 9131 individuals. (Seen during period: **Brown-capped Chickadee,** 1 —M.R.H., first record for area.)—Mr. and Mrs. Herbert T. Armitt, Angeline Badi, Mr. and Mrs. Edmund G. Barron, Dorothy Birch, James Bloor, Mrs. Earl Brown, Eugene R. Brown, Mr. and Mrs. H. E. Buck, Dr. Robert L. Burkhart, Robert F. Deed (compiler), Thomas G. Dow, Paul Gabel, Jean Goldner, David Hill, Dr. Marjorie R. Hopper, Frances H. Irving, William G. Irving, Homer S. Kelsey, Mr. and Mrs. Irving G. Kennedy, John Kenney, Edward Kincaid, Herman Kretschmar, Harry Lehr, Mrs. Richard B. Lyman, Dorothy Lyman, Richard B. Lyman, Jr., John C. Orth, Mrs. Carl Paulson, John M. Price, W. F. Sehring, Mrs. Archer Stansbury, Mr. and Mrs. Frank R. Steffens, Edward Treacy, Mrs. Estelle Walter, Thomas C. Wilfred (Rockland Audubon Society).

100. Saranac Lake, N. Y. (same area as previous 5 years; open farmland 20%, town suburbs 20%, river borders 10%, mixed deciduous and coniferous woodland 40%, blueberry meadows 10%).—Dec. 26; 7:30 a.m. to 4:30 p.m. Clear and sunny all day; temp. 6° to 26°; no wind; 24-30 in. snow, lakes and ponds frozen, Saranac River open; very poor cone crop. Five observers in 1 party, also several at feeding stations. Total party-hours, 9 (4 on foot, 5 by car); total party-miles, 56 (8 on foot, 48 by car). **Snow Goose,** 1 (carefully studied at 200 ft. distance); Am. Merganser, 1; Ruffed Grouse, 1; Hairy Woodpecker, 10; Downy Woodpecker, 8; Blue Jay, 32; Black-capped Chickadee, 131; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 11; Brown Creeper, 3; Common Starling, 1; House Sparrow, 64; **Eastern Meadowlark,** 1; Red-winged Blackbird, 1; **Brown-headed Cowbird,** 2; Evening Grosbeak, 1; Pine Grosbeak, 6; Slate-colored Junco, 2; Am. Tree Sparrow, 5; Snow Bunting, 121. **Total,** 20 species; 412 individuals. (Seen in area Dec. 18: Carolina Wren; Jan. 1: Pileated Woodpecker).—Herbert Bergamini, Jr., Greenleaf T. Chase, Gordon M. Meade, James B. Meade, Virginia Weeks.

101. Schenectady, N. Y. (same area as in 1929 and subsequent counts; urban and suburban 10%, farmyards 5%, open farmland 35%, light deciduous woods 20%, mixed deciduous and evergreen woods 10%, brushy hillsides and ravines 10%, cattail marshes 10%).—Dec. 26; 7:30 a.m. to 5 p.m. Clear to partly cloudy; temp. 10° to 40°; wind SE, 0-15 m.p.h.; no snow in most areas, ground frozen, small streams open. Thirty-one observers in 9 parties. Total party-hours, 62 (45 on foot, 17 by car); total party-miles, 268 (58 on foot, 210 by car). Great Blue Heron, 2; Mallard, 1; **Wood Duck,** 1; Cooper's Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 2; Bald Eagle, 1; Marsh Hawk, 6; Sparrow Hawk, 8; Ruffed Grouse, 6; Ring-necked Pheasant, 24; Herring Gull, 5; Ring-billed Gull, 1; Mourning Dove, 20; Horned Owl, 3; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 32; Downy Woodpecker, 44; Blue Jay, 64; Am. Crow, 351; Black-capped Chickadee, 443; **Brown-capped Chickadee,** 1; White-breasted Nuthatch, 48; **Red-breasted Nuthatch,** 68 (60 in one compact flock!); Brown Creeper, 5; Am. Robin, 4; Eastern Bluebird, 2; Cedar Waxwing, 1; Gray Shrike, 3; Common Starling, 4425; House Sparrow, 552; Red-winged Blackbird, 5; Evening Grosbeak, 1; Pine Grosbeak, 25; Common Redpoll, 1; Pine Siskin, 15; Am. Goldfinch, 69; **Red Crossbill,** 14; White-winged Crossbill, 20; Vesper Sparrow, 1; Slate-colored Junco, 41; Am. Tree Sparrow, 620; Song Sparrow, 10. **Total,** 44 species; about 6955 individuals. (Another Brown-capped Chickadee, Dec. 25; separate Baltimore Orioles, Dec. 20

(C.J.G.), Dec. 24 (G.M.); Killdeer, Dec. 24 (R.Y.); another Wood Duck, Dec. 27.)—Alice Abel, G. Malcolm Andrews, Pauline Baker, Guy Bartlett (compiler), Mr. and Mrs. R. M. Brockway, Mildred D. Crary, Mr. and Mrs. Gilbert Eddy, Mrs. C. J. Grace, Mr. and Mrs. Charles E. Eitelman, Charles Green, Mr. and Mrs. Byron T. Hipple, Jr., Alice Holmes, Viola Mabb, Dr. Malcolm E. McDonald, Samuel R. Madison, Mr. and Mrs. Howard Malone, Gloria Meeder, James Merritt, B. D. Miller, P. Schuyler Miller, Stephanie Podrazik, Dr. Minnie B. Scotland, Donald Tucker, Nelle G. Van Vorst, Leon Wiard, Robert Yunick (Schenectady Bird Club, Inc.).

102. Staten Island, N. Y. (seashore 30%, salt marsh 30%, fresh-water marsh 15%, woodland 15%, urban areas 10%).—Dec. 26; 6:30 a.m. to 5:30 p.m. Sunny all day; temp. 22° to 36°; wind calm to SW, 8 m.p.h.; ponds frozen, small open areas in lakes, ground frozen but thawing. Eighteen observers in 9 parties. Total party-hours, 77 (58 on foot, 19 by car); total party-miles, 149 (58 on foot, 91 by car). Horned Grebe, 69; Pied-billed Grebe, 1; Double-crested Cormorant, 5; Black-crowned Night Heron, 1; Mute Swan, 1; Canada Goose, 1; **Blue Goose,** 4 (verified by H.H.C.); Mallard, 33; Black Duck, 466; Am. Widgeon, 3; Green-winged Teal, 8; Greater Scaup, 4056; Am. Golden-eye, 7; Bufflehead, 84; Old-squaw, 47; White-winged Scoter, 7; Am. Scoter, 1; Hooded Merganser, 2; Red-breasted Merganser, 15; Red-tailed Hawk, 3; Red-shouldered Hawk, 4; Marsh Hawk, 2; Sparrow Hawk, 6; Osprey, 1 [remarkable yet no underlining, no details—Ed.]; Ring-necked Pheasant, 27; Clapper Rail, 3; Am. Coot, 1; Killdeer, 34; Wilson's Snipe, 1; Purple Sandpiper, 41; Sanderling, 47; Great Black-backed Gull, 131; Herring Gull, 18,475; Ring-billed Gull, 44; Laughing Gull, 10; Bonaparte's Gull, 508; Mourning Dove, 12; Barn Owl, 1; Screech Owl, 2; Long-eared Owl, 1; Belted Kingfisher, 1; Hairy Woodpecker, 14; Downy Woodpecker, 80; Horned Lark (Prairie), 6; Blue Jay, 67; Am. Crow, 335; Black-capped Chickadee, 201; Tufted Titmouse, 1; White-breasted Nuthatch, 40; Red-breasted Nuthatch, 1; Brown Thrasher, 1; Am. Robin, 3; Gray Shrike, 1; Common Starling, 5163; Myrtle Warbler, 5; House Sparrow, 191; Eastern Meadowlark, 1; Red-winged Blackbird, 91; Baltimore Oriole, 1 [no details—Ed.]; Brown-headed Cowbird, 51; Cardinal, 44; Pine Siskin, 10; Am. Goldfinch, 5; Eastern Towhee, 2; Savannah Sparrow, 2; Seaside Sparrow, 2; Slate-colored Junco, 186; Am. Tree Sparrow, 117; Field Sparrow, 10; White-throated Sparrow, 98; Fox Sparrow, 1; Swamp Sparrow, 12; Song Sparrow, 144; Lapland Longspur, 1; Snow Bunting, 5. **Total,** 75 species; about 31,058 individuals. (Seen Dec. 25: Catbird, 1.)—Howard H. Cleaves, Barbara Cook, Lee A. Ellison, Henry Flamm, R. Bruce Gordon, Vera Gordon, Fred W. Hopping, William H. Lea, John LeMaire, Gordon Loery, Robert Mathewson, James McNeish, Casimir Redjives, Hans Schleich, Thomas Schleich, Miriam Stryker, Mathilde P. Weingartner (compiler), James L. Whitehead.

103. Syracuse, N. Y. (7½-mile radius; from Oneida Lake to Clark's Reservation, from Onondaga Lake to Green Lakes State Park; lakes 20%, deciduous woods 30%, coniferous woods 10%, brushy and open fields 35%, suburbs 5%).—Dec. 26; 7 a.m. to 7 p.m. Clear; temp. 25° to 40°; wind E, 0-12 m.p.h.; 4-in. old snow, melting in p.m., deep lakes open. Twenty-two observers in 12 parties. Total party-hours, 97 (43 on foot, 54 by car); total party-miles, 587 (77 on foot, 510 by car). Great Blue Heron, 4; Mallard, 9; Black Duck, 85; Redhead, 2; Canvas-back, 29; Greater Scaup [number?—Ed.]; Am. Golden-eye, 19; White-winged Scoter, 1; Am. Merganser, 700; Sharp-shinned Hawk, 2; Cooper's Hawk, 4; Red-tailed Hawk, 11; Rough-legged Hawk, 2; Sparrow Hawk, 12; Ruffed Grouse, 10; Ring-necked Pheasant, 130; Great Black-backed Gull, 17; Herring Gull, 3000; Ring-billed Gull, 6; Mourning Dove, 20; Screech Owl, 3; Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Pileated Woodpecker, 4; Red-bellied Woodpecker, 1 [no details—Ed.]; Hairy Woodpecker, 15; Downy Woodpecker, 37; Horned Lark, 10; Blue Jay, 41; Am. Crow, 300; Black-capped Chickadee, 225; White-breasted Nuthatch, 27; Brown Creeper, 2; Am. Robin, 1; Golden-crowned Kinglet, 7; Cedar Waxwing, 17; Gray Shrike, 10; Common Starling, 700; House Sparrow, 88; Cardinal, 15; Evening Grosbeak, 3; Pine Grosbeak, 16; Common Redpoll, 106; Am. Goldfinch, 55; Slate-colored Junco, 47; Am. Tree Sparrow, 239; White-throated Sparrow, 1; Song Sparrow, 8; Lapland Longspur, 1; Snow Bunting, 418. **Total,** 51 species; about 6464 individuals. (Seen in area during census period: Pied-billed Grebe, Ring-necked Duck, Red-breasted Merganser, Long-eared Owl.)—David Armstrong, James Ashley, Angus Brown, Mr. and Mrs. Robert Burdick, Benjamin Burtt, Harold Burtt, Lee Chamberlain, Mr. and Mrs. George Courtney, Stanton Ernst, Mrs. Emeline Evans, Mr. and Mrs. Charles Farnham, Alton Jones, Paul Jones, Mrs. Margery Mathis, Paul Paquette, Edward Patterson, Fritz Scheider, Walter Spofford (compiler), Robert Wayland-Smith (Onondaga Audubon Society).

104. Troy, N. Y. (same area as in 1950 and subsequent counts, more than half of mileage along open water; urban and suburban 20%, open farmland 30%, brushland 10%, light deciduous woods 15%, mixed deciduous and evergreen woods 10%, cattail marshes 15%).—Jan. 2; 8 a.m. to 4:30 p.m. Rain and dense fog in morning, foggy until late afternoon; temp. 34° to 40°; wind W, 0-10 m.p.h.; trace of snow on ground, streams open, ponds mostly iced. Twenty-two observers in 7 parties. Total party-hours, 41 (18 on foot, 23 by car); total party-miles, 318 (20 on foot, 298 by car). Mallard, 96; Black Duck, 1047; **Canvas-back,** 25; Am. Golden-eye, 97; Am. Merganser, 260; **Red-breasted Merganser,** 5; Cooper's Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 3; Ring-necked Pheasant, 2; **Am. Coot,** 1; Herring Gull, 153; Ring-billed Gull, 31; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 5; Horned Lark, 50; Blue Jay, 56; Am. Crow, 71; Black-capped Chickadee, 97;

Brown-capped Chickadee, 1; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 2; Brown Creeper, 2; Golden-crowned Kinglet, 1; Cedar Waxwing, 22; Gray Shrike, 1; Common Starling, 592; House Sparrow, 284; Evening Grosbeak, 32; Pine Grosbeak, 93; Common Redpoll, 16; Am. Goldfinch, 12; Slate-colored Junco, 9; Am. Tree Sparrow, 147; Song Sparrow, 2; **Lapland Longspur,** 2. **Total,** 38 species; about 3230 individuals.—Brother Austin, Guy Bartlett, Dr. Allen H. Benton, Mr. and Mrs. William R. Foot, Esly Hallenbeck, Byron T. Hipple, Jr. (compiler), Carrington Howard, Walter E. Kaskan, Mr. and Mrs. Herman C. Loeffler, Samuel R. Madison, Mr. and Mrs. Howard Malone, James Merritt, Dr. and Mrs. A. C. Newman, Mr. and Mrs. Paul O'Meara, Leon A. Wiard, Mr. and Mrs. Francis T. Worrall (Schenectady Bird Club, Inc.).

105. Watertown, N. Y. (same area as 17 previous counts, 7½-mile radius centering on Public Square; wooded 30%, farmland 30%, swamps 20%, city streets and river bank 20%). Dec. 27; 7:30 a.m. to 4 p.m. Overcast; temp. 37° to 40°; wind SW, 7 m.p.h.; 4-8-in. snow, much open water in streams. Forty-nine observers in 19 parties. Total party-hours, 54 (44 on foot, 10 by car); total party-miles, 199 (42 on foot, 157 by car). Black Duck, 2; Hooded Merganser, 1; Rough-legged Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 10; Ring-necked Pheasant, 20; Herring Gull, 159; Hairy Woodpecker, 8; Downy Woodpecker, 15; Blue Jay, 26; Am. Crow, 7; Black-capped Chickadee, 117; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 2; Brown Creeper, 1; Gray Shrike, 4; Common Starling, 824; House Sparrow, 349; Purple Grackle, 2; Evening Grosbeak, 24; Pine Grosbeak, 72; Common Redpoll, 60; Am. Goldfinch, 27; Slate-colored Junco, 3; Am. Tree Sparrow, 64; Song Sparrow, 1; Snow Bunting, 156. **Total,** 27 species; about 1963 individuals. (Seen in area recently: Pileated Woodpecker, Screech Owl, Horned Owl, Barred Owl.)—John L. Bedford, John Belknap, Joseph Blake, Jr., Elizabeth Brown, Dorothy C. Cahill, Frank A. Clinch (compiler), James Common, Toby Cosgrove, Jesse Denny, Marie Elitharp, Joseph Ellis, Jr., Lucile Grant, Nancy Henderson, Sally Horr, Gertrude Houghton, Mrs. M. T. Illsley, Nancy Illsley, Marada Johnson, Rickey Johnson, David Lake, Linda Lingenfelter, Howard W. Mann, Ruth Mereand, Mrs. C. F. Moore, Eleanor Moore, Karen and Thomas Mosher, Douglas Murray, Jane Naughton, Mr. and Mrs. Robert Nelson, Arthur Salisbury, Arthur, Jr., Danny and Nancy Salisbury, Erma Schell, Mr. and Mrs. N. S. Sherman. Carol and Cindy Sherman, Eleanor Stevens, Mr. and Mrs. Richard Taylor, David Thompson, Mrs. Howard Vrooman, Arthur Walrath, Harold Wiley, Faith Wodell, Mrs. John Young (North Country Bird Club).

106. Watkins Glen, N. Y. (7½-mile radius centering on Franklin and 4th Sts., including Seneca Lake waterfront, State Park, Salt Point Rd., E. Lake Rd., Old Corning Rd., Townsend Rd.; open fields 55%, deciduous and evergreen woods 20%, lake front 15%, marsh area 5%, suburbs 5%).—Dec. 31; 7 a.m. to 4:30 p.m. Cloudy a.m., some sun p.m.; temp. 30° to 40°; wind S, 0-10 m.p.h.; patches of snow in hills, streams open, ponds frozen, Seneca Lake open. Six observers in 3 parties plus 5 at feeding stations. Total party-hours, 22 (13½ on foot, 8½ by car); total party-miles, 52 (17 on foot, 35 by car). Horned Grebe, 2; Pied-billed Grebe, 1; Great Blue Heron, 1; Cooper's Hawk, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 4; Great Black-backed Gull, 1; Herring Gull, 160; Mourning Dove, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 26; Blue Jay, 22; Am. Crow, 15; Black-capped Chickadee, 145; Tufted Titmouse, 1; White-breasted Nuthatch, 35; Red-breasted Nuthatch, 1; Brown Creeper, 1; Gray Shrike, 1; Common Starling, 41; House Sparrow, 332; Cardinal, 11; Am. Goldfinch, 52; Slate-colored Junco, 22; Am. Tree Sparrow, 24; Song Sparrow, 2. **Total,** 28 species; about 911 individuals. (Seen in area Jan. 1: Killdeer.)—Jamesine Bardeen (compiler), Morris Bardeen, Susan Bardeen, Jack Brubaker, Ruth Champion, Louise Helfer (Watkins-Montour Bird Club).

107. Barnegat, N. J. (same area as in 1946 and subsequent years).—Jan. 1; 5 a.m. to 6 p.m. Clear; temp. 32° to 47°; wind S, 0-5 m.p.h.; ground bare, bay and ponds open. Eighteen observers in 4 parties. Total party-hours, 52 (35 on foot, 17 by car); total party-miles, 120 (30 on foot, 90 by car). Common Loon, 16; Red-throated Loon, 8; Horned Grebe, 369; Pied-billed Grebe, 6; Gannet, 3; European Cormorant, 1; Double-crested Cormorant, 26; Great Blue Heron, 36; Black-crowned Night Heron, 2; Am. Bittern, 4; Canada Goose, 25; Am. Brant, 13,000; Mallard, 3; Black Duck, 254; Am. Widgeon, 4; Greater Scaup, 627; Lesser Scaup, 10; Am. Golden-eye, 132; Bufflehead, 148; Old-squaw, 448; **Common Eider,** 2 (B.M., C.H.); **King Eider,** 2 (B.M., C.H.); White-winged Scoter, 62; Surf Scoter, 58; Am. Scoter, 155; Am. Merganser, 21; Red-breasted Merganser, 147; Turkey Vulture, 9; Red-shouldered Hawk, 1; Rough-legged Hawk, 8; Bald Eagle, 1; Marsh Hawk, 15; Sparrow Hawk, 6; Am. Coot, 1; Piping Plover, 5; Ringed Plover, 1; Killdeer, 1; Black-bellied Plover, 59; Ruddy Turnstone, 17; Wilson's Snipe, 1; Greater Yellow-legs, 1; Red Knot, 13; Purple Sandpiper, 36; Red-backed Sandpiper, 1504; Dowitcher, 1; Semipalmated Sandpiper, 3; Sanderling, 151; **Iceland Gull,** 1; Great Black-backed Gull, 60; Herring Gull, 2014; Ring-billed Gull, 231; Laughing Gull, 2; Bonaparte's Gull, 502; **Black-legged Kittiwake,** 2; **Forster's Tern,** 1; **Caspian Tern,** 2 (L.W.); Mourning Dove, 7; Horned Owl, 3; Barred Owl, 1; Short-eared Owl, 8; Yellow-shafted Flicker, 23; **Yellow-bellied Sapsucker,** 1; Hairy Woodpecker, 10; Downy Woodpecker, 14; **Tree Swallow,** 204; Horned Lark, 30; Blue Jay, 74; Am. Crow, 117; Black-capped Chickadee, 6; Carolina Chickadee, 79; Tufted Titmouse, 11; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 2; Winter Wren, 1; Carolina Wren, 7; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 2; Mockingbird, 2; Catbird, 3; Brown Thrasher, 2; Am. Robin, 62; Hermit Thrush,

9; Eastern Bluebird, 1; Golden-crowned Kinglet, 8; Water Pipit, 1; Cedar Waxwing, 6; Gray Shrike, 2; Common Starling, 725; **Orange-crowned Warbler,** 1; Myrtle Warbler, 563; House Sparrow, 256; Eastern Meadowlark, 29; Red-winged Blackbird, 44; Cardinal, 32; **Evening Grosbeak,** 2; Purple Finch, 15; **Common Redpoll,** 1; Pine Siskin, 71; Am. Goldfinch, 80; Eastern Towhee, 2; Ipswich Sparrow, 14; Savannah Sparrow, 39; Sharp-tailed Sparrow, 36; Seaside Sparrow, 4; Slate-colored Junco, 116; Am. Tree Sparrow, 256; Field Sparrow, 36; White-throated Sparrow, 160; Fox Sparrow, 3; Swamp Sparrow, 13; Song Sparrow, 112; Snow Bunting, 57. **Total,** 112 species; about 23,594 individuals. [Very careful details submitted for all unusual records.—Ed.]—I. Black, C. Collins, G. Davenport, P. Davenport, R. Davenport, F. Frazier, Jr., C. Hetzel, L. Hilton, L. Hughes, J. Jehl, D. Kunkle (compiler), L. McQueen, B. Murray, N. Niosi, W. Osborn, H. Ross, W. Sanford, L. Walsh.

108. Boonton, N. J. (area not exceeding 15-mile diameter, Troy Hills the center; deciduous woodland 30%, open marsh 20%, wooded swamp 20%, pasture and farmland 15%, miscellaneous 15%).—Dec. 26; 5 a.m. to 5 p.m. Fair; temp. 23° to 45°; wind SW, 10-20 m.p.h.; ground bare, reservoir partially open, lakes and ponds frozen, rivers higher than normal. Twenty-eight observers in 8 parties. Total party-hours, 70 (28 on foot, 42 by car); total party-miles, 200 (50 on foot, 145 by car, 5 by canoe). Horned Grebe, 1; Pied-billed Grebe, 3; Mute Swan, 1; Mallard, 113; Black Duck, 242; Gadwall, 7; Am. Widgeon, 75; Pintail, 1; Redhead, 5; Ring-necked Duck, 75; Canvas-back, 20; Greater Scaup, 3; Am. Golden-eye, 15; Buffle-head, 2; Ruddy Duck, 100; Hooded Merganser, 1; Am. Merganser, 40; Turkey Vulture, 1; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 9; Red-shouldered Hawk, 13; Marsh Hawk, 2; Peregrine Falcon, 1; Sparrow Hawk, 13; Ruffed Grouse, 2; Bob-white, 5; Ring-necked Pheasant, 1; Virginia Rail, 2; Am. Coot, 36; Killdeer, 8; Wilson's Snipe, 1; Herring Gull, 70; Ring-billed Gull, 1; Mourning Dove, 47; Barn Owl, 1; Screech Owl, 20; Horned Owl, 8; Barred Owl, 2; Long-eared Owl, 19; Belted Kingfisher, 5; Yellow-shafted Flicker, 9; Pileated Woodpecker, 1; Hairy Woodpecker, 18; Downy Woodpecker, 85; Horned Lark, 39; Blue Jay, 139; Am. Crow, 4740; Fish Crow, 9; Black-capped Chickadee, 310; Tufted Titmouse, 96; White-breasted Nuthatch, 78; Red-breasted Nuthatch, 3; Brown Creeper, 12; Winter Wren, 4; Long-billed Marsh Wren, 1; Catbird, 1; Am. Robin, 5; Hermit Thrush, 2; Eastern Bluebird, 10; Golden-crowned Kinglet, 1; Cedar Waxwing, 1; Gray Shrike, 2; **Loggerhead Shrike,** 2; Common Starling, 1530; Myrtle Warbler, 2; House Sparrow, 484; Eastern Meadowlark, 62; Red-winged Blackbird, 13; Rusty Blackbird, 2; Brown-headed Cowbird, 1; Cardinal, 51; Purple Finch, 3; Pine Siskin, 92; Am. Goldfinch, 191; Eastern Towhee, 2; Savannah Sparrow, 1; Slate-colored Junco, 408; Am. Tree Sparrow, 1200; Field Sparrow, 27; White-throated Sparrow, 121; Fox Sparrow, 2; Swamp Sparrow, 36; Song Sparrow, 140. **Total,** 84 species; about 10,912 individuals.—R. Barton, J. Bennett, C. Collins, J. B. Crowell, W. Davis, F. De Hart, R. De Hart, J. L. Edwards, A. E. Eynon, C. Franklin, R. Gossington, E. Gould, C. Hetzel, L. Hilton, S. Hopkins, L. Hughes, J. Jehl, Jr., D. Kunkle, J. Le Station, C. Lincoln, J. Mann, A. T. Newberry, C. H. Nichols, N. Niosi, A. Peterson, R. Sargent, H. M. Van Deusen, F. P. Wolfarth (compiler).

109. Bridgeton, N. J. (7½-mile radius centering at Cedarville, including Sea Breeze and Fortescue on Delaware Bay; all observations in Cumberland County; suburbs 1%, mixed woodland 10%, salt marsh 30%, plowed land 40%, fresh-water ponds and streams 15%, salt water 4%).—Dec. 27; 6:30 a.m. to 5 p.m. Fog until 9 a.m., then clear; temp. 26° to 63°; wind SW to NE, 10-15 m.p.h.; ground slightly frozen, ice on all fresh-water ponds. Fourteen observers in 5 parties. Total party-hours, 30 (15 on foot, 15 by car); total party-miles, 281 (31 on foot, 250 by car). Pied-billed Grebe, 4; Great Blue Heron, 11; Am. Bittern, 4; Canada Goose, 9; Snow Goose, 5000; Mallard, 37; Black Duck, 201; Pintail, 2; Green-winged Teal, 6; Shoveller, 4; Ring-necked Duck, 17; Old-squaw, 2; White-winged Scoter, 8; Hooded Merganser, 7; Am. Merganser, 8; Turkey Vulture, 122; Sharp-shinned Hawk, 4; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 6; Broad-winged Hawk, 1 [no details, not even underlined as unusual—Ed.]; Rough-legged Hawk, 2; Bald Eagle, 3; Marsh Hawk, 54; Sparrow Hawk, 23; Killdeer, 51; Greater Yellow-legs, 1; Red-backed Sandpiper, 10; Am. Avocet, 14 [no details, not even underlined as unusual—Ed.]; Great Black-backed Gull, 2; Herring Gull, 211; Ring-billed Gull, 24; Mourning Dove, 180; Screech Owl, 1; Horned Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 19; Eastern Phoebe, 1; Horned Lark, 107; Blue Jay, 84; Am. Crow, 2340; Carolina Chickadee, 67; Tufted Titmouse, 31; White-breasted Nuthatch, 31; Red-breasted Nuthatch, 12; Brown Creeper, 3; House Wren, 2 [no details—Ed.]; Carolina Wren, 11; Mockingbird, 12; Catbird, 3; Am. Robin, 23; Hermit Thrush, 1; Eastern Bluebird, 7; Golden-crowned Kinglet, 1; Water Pipit, 8; Loggerhead Shrike, 4; Common Starling, 2236; Myrtle Warbler, 4; Palm Warbler, 4; House Sparrow, 549; Eastern Meadowlark, 179; Red-winged Blackbird, 505; Boat-tailed Grackle, 25 [no details—Ed.]; Purple Grackle, 413; Brown-headed Cowbird, 8; Cardinal, 83; Pine Siskin, 10; Am. Goldfinch, 47; Eastern Towhee, 2; Savannah Sparrow, 3; Slate-colored Junco, 128; Am. Tree Sparrow, 21; Field Sparrow, 19; White-crowned Sparrow, 5; White-throated Sparrow, 528; Fox Sparrow, 2; Swamp Sparrow, 11; Song Sparrow, 89. **Total,** 83 species; about 13,685 individuals. [A Gray-cheeked Thrush was reported without details and not even underlined as being unusual. Only one was recorded in the United States in the 1953 censuses, that in South Carolina. Under these circumstances it seems best to

put this bird on the hypothetical list for the time being.—Ed.]—Helen P. Blew, Mr. and Mrs. Leroy Cossaboon, Stanley S. Dickerson, Josephine R. Estes, Bennett K. Matlack (compiler), Mrs. Leslie E. Myatt, Mrs. Frank Parker, Santo J. Salvo, Mrs. Neal Slack, Sara Frances Wheaton, Mr. and Mrs. Wm. B. Wright, Wm. B. Wright, III.

110. Cape May, N. J. (7½-mile radius centering at Rio Grande, Cape May County; salt marshes 15%, cultivated land 15%, sand beach 5%, woodland 15%, ocean and bay 50%).—Dec. 26; 4 a.m. to 5 p.m. Clear and cloudless entire day; temp. 25° to 40°; wind, dead calm to light variable; no snow on ground, fresh-water ponds mostly frozen, thin ice in brackish coves. Forty-seven observers in 10 parties. Total party-hours, 80 (54 on foot, 18 by car, 8 by motor boat); total party-miles, 440 (135 on foot, 270 by car, 35 by motor boat). Common Loon, 22; Red-throated Loon, 189; Horned Grebe, 302; Pied-billed Grebe, 166; Gannet, 2; Double-crested Cormorant, 36; Great Blue Heron, 85; **Am. Egret,** 16; **Snowy Egret,** 5; **Louisiana Heron,** 3; **Little Blue Heron,** 36; Black-crowned Night Heron, 90; Am. Bittern, 13; Canada Goose, 26; Am. Brant, 15,000; Snow Goose, 1; Mallard, 77; Black Duck, 2762; Gadwall, 2; Am. Widgeon, 234; Pintail, 1; Green-winged Teal, 4; Blue-winged Teal, 5; Wood Duck, 1; Redhead, 2; Ring-necked Duck, 8; Canvas-back, 2; Greater Scaup, 437; Lesser Scaup, 23; Am. Golden-eye, 130; Buffle-head, 304; Old-squaw, 386; **Harlequin Duck,** 2 (present for some time); White-winged Scoter, 88; Surf Scoter, 314; Am. Scoter, 559; Ruddy Duck, 53; Hooded Merganser, 3; Am. Merganser, 2; Red-breasted Merganser, 210; Turkey Vulture, 46; **Goshawk,** 2; Sharp-shinned Hawk, 9; Cooper's Hawk, 11; Red-tailed Hawk, 21; Red-shouldered Hawk, 14; Rough-legged Hawk, 1; Bald Eagle, 5; Marsh Hawk, 64; Peregrine Falcon, 1; Sparrow Hawk, 30; Bob-white, 9; Ring-necked Pheasant, 3; **King Rail,** 1 (H.C., Q.K.); Clapper Rail, 18; **Florida Gallinule,** 1 (R.S., W.R.); Am. Coot, 206; Killdeer, 64; Black-bellied Plover, 163; **Ruddy Turnstone,** 1; Am. Woodcock, 8; Wilson's Snipe, 5; Greater Yellow-legs, 10; Willet, 1; Purple Sandpiper, 92; **Least Sandpiper,** 1; Red-backed Sandpiper, 4940; **Dowitcher** (Long-billed), 1; Semipalmated Sandpiper, 17; Western Sandpiper, 252; Sanderling, 553; **Glaucous Gull,** 1 (M.L., P.S.); Great Black-backed Gull, 93; Herring Gull, 2900; Ring-billed Gull, 450; Bonaparte's Gull, 203; Forster's Tern, 6; Mourning Dove, 160; Barn Owl, 3; Screech Owl, 1; Horned Owl, 11; Snowy Owl, 1; Barred Owl, 1; Long-eared Owl, 2; Short-eared Owl, 11; Belted Kingfisher, 19; Yellow-shafted Flicker, 121; Hairy Woodpecker, 14; Downy Woodpecker, 42; Eastern Phoebe, 1; Horned Lark, 149; Tree Swallow, 22; Blue Jay, 216; Am. Crow, 6000; Fish Crow, 35; Black-capped Chickadee, 8; Carolina Chickadee, 273; Tufted Titmouse, 52; White-breasted Nuthatch, 15; Red-breasted Nuthatch, 58; Brown Creeper, 2; Winter Wren, 2; Carolina Wren, 48; Long-billed Marsh Wren, 3; Short-billed Marsh Wren, 2; Mockingbird, 27; Catbird, 8; Brown Thrasher, 10; Am. Robin, 80; Hermit Thrush, 13; Eastern Bluebird, 52; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 1; Water Pipit, 38; Cedar Waxwing, 12; Loggerhead Shrike, 5; Common Starling, 2265; **Orange-crowned Warbler,** 11; Myrtle Warbler, 4800; **Pine Warbler,** 1 (J.K.P. group); Palm Warbler, 4; **Yellow-breasted Chat,** 1 (D.C. group); House Sparrow, 710; Eastern Meadowlark, 986; Red-winged Blackbird, 508; **Baltimore Oriole,** 1; Rusty Blackbird, 36; Purple Grackle, 139; Brown-headed Cowbird, 174; Cardinal, 155; Evening Grosbeak, 14; Purple Finch, 38; Pine Siskin, 153; Am. Goldfinch, 200; **White-winged Crossbill,** 5; Eastern Towhee, 15; Ipswich Sparrow, 6; Savannah Sparrow, 72; Sharp-tailed Sparrow, 9; Seaside Sparrow, 17; Vesper Sparrow, 19; Slate-colored Junco, 183; Am. Tree Sparrow, 145; Chipping Sparrow, 6; Field Sparrow, 106; White-throated Sparrow, 2219; Fox Sparrow, 36; Swamp Sparrow, 59; Song Sparrow, 511; Lapland Longspur, 2; Snow Bunting, 10. **Total,** 151 species; about 52,944 individuals. [Very careful details submitted for all unusual birds. —Ed.]—E. C. Archer, John H. Arnett, Jr., Daniel E. Batezel, Leigh W. Bauer, Bernath Berkowitz, Harry P. Bodley, R. J. Brooke, Jr., A. C. Byers, T. J. Byers, Joel Cadbury, Joseph M. Cadbury, Ernest A. Choate (compiler), Lawrence R. Corn, David A. Cutler, Herbert S. and Elizabeth C. Cutler, P. H. DeAoun, Joseph N. Felix, E. A. and Henry Guthrie, Joseph Jacobs, Quintin Kramer, M. A. Linton, Philip A. Livingston, J. L. Moore, Jr., John Royal Moore, M. W. O'Connell, Jr., David L. Marshall, E. Wayne Marshall, Jr., Virginia C. Marshall, W. R. Middleton, S. Orr, J. K. Potter, C. L. Reagan, Edward J. Reimann, George B. Reynard. William Reynolds, Robert H. Sehl. F. C. Stokes, Jr., Phillips B. Street, Frederick A. Ulmer, Jr., Hans Wackernagel, Merritt S. Webster, Edward D. Wildman, Charles A. Wonderly, Kenneth Wright, Robert A. Zimmermann.

111. Great Swamp–Watchung Ridges, N. J. (7½-mile radius centering in New Providence; dry deciduous woods 30%, wet deciduous woods 17%, fields 28%, suburban areas 23%, evergreen woods 2%).—Dec. 26; 7 a.m. to 5 p.m. Sunny, good visibility; temp. 15° to 40°; calm, slight breeze in p.m.; ground bare, ponds and pools covered with ice, streams and reservoirs open. Thirty-five observers in 8 parties, plus 60 observers at feeding stations. Total party-hours, 47 (36 on foot, 11 by car); total party-miles, 223 (59 on foot, 164 by car). Mallard, 136; Black Duck, 48; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 13; Red-shouldered Hawk, 6; Sparrow Hawk, 9; Bob-white, 2; Ring-necked Pheasant, 8; Killdeer, 9; Herring Gull, 110; Mourning Dove, 46; Screech Owl, 1; Horned Owl, 2; Barred Owl, 2; Long-eared Owl, 4; Belted Kingfisher, 6; Yellow-shafted Flicker, 10; Pileated Woodpecker, 1; Red-headed Woodpecker, 1; Hairy Woodpecker, 65; Downy Woodpecker, 130; Blue Jay, 318; Am. Crow, 411; Black-capped Chickadee, 548; Tufted Titmouse, 191; White-breasted Nuthatch, 212; Red-breasted Nuthatch, 9; Brown Creeper, 9; Winter Wren, 2; Carolina Wren, 2; Mockingbird, 1; Catbird, 5; Brown Thrasher, 1; Am. Robin, 8; Hermit

Thrush, 4; Eastern Bluebird, 25; Cedar Waxwing, 28; Gray Shrike, 1; Common Starling, 10,276; Myrtle Warbler, 13; House Sparrow, 519; Eastern Meadowlark, 24; Red-winged Blackbird, 16; Baltimore Oriole, 1 [no details—Ed.]; Purple Grackle, 9; Brown-headed Cowbird, 155; Scarlet Tanager, 1 [no details, not even underlined as unusual—Ed.]; Cardinal, 142; Ro-kcissel, 1; Purple Finch, 21; Pine Siskin, 136; Am. Goldfinch, 84; Eastern Towhee, 1; Slate-colored Junco, 552; Am. Tree Sparrow, 882; Field Sparrow, 50; White-throated Sparrow, 461; Fox Sparrow, 2; Swamp Sparrow, 34; Song Sparrow, 181. **Total,** 61 species; about 15,948 individuals.—Joan Brown, Jay Cloud, Dudley Coy, Butch Malek, George Hans, Ken Taylor, Maarten Van de Kamp, Pat Howarth, David Hart, James B. Hawley (compiler), Don Maxwell, Wayne Douglas, Roy Puckey, Mr. and Mrs. F. L. Bower, Mr. and Mrs. Bert Schaughency, Lois Wenman, Mr. and Mrs. Courtney and Christopher Norwein, Jim Hand, Mrs. E. Sutton, Elizabeth Mathison, Gertrude Whitlock, Mrs. Jos. Burton, Virginia and Jeannette Middlebrook, Charles Hoiles, Hadley Roe, Richard Tucker, Mr. and Mrs. Fred Rolf, Charles Weisel, Dr. George Rawson (Westfield, Chatham and Summit Nature Clubs).

112. **Hackensack–Ridgewood (Bergen Co.), N. J.** (7½-mile radius centering on River Edge Bridge, north to N. Y. State line, south to Paterson Plank Rd.; woodland 30%, residential 25%, swamp 4%, brushy fields 10%, marsh 8%, river and lake front 21%, garbage dumps and cemeteries 2%, 12 feeding stations).—Jan. 1; 6 a.m. to 5 p.m. Clear, most water open, ground bare; temp. 29° to 46°; wind NW, 1-3 m.p.h. Seventy-five observers in 25 parties. Total party-hours, 145 (119 on foot, 26 by car); total party-miles, 329 (63 on foot, 266 by car). Great Blue Heron, 5; Canada Goose, 86; Mallard, 383; Black Duck, 259; Pintail, 7; Greater Scaup, 400; Lesser Scaup, 4; Am. Golden-eye, 5; Am. Merganser, 335; Cooper's Hawk, 2; Red-tailed Hawk, 5; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 5; Am. Coot, 1; Killdeer, 5; Great Black-backed Gull, 15; Herring Gull, 511; Ring-billed Gull, 46; Bonaparte's Gull, 80; Mourning Dove, 39; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 4; Hairy Woodpecker, 26; Downy Woodpecker, 103; Blue Jay, 166; Am. Crow, 112; Black-capped Chickadee, 352; Tufted Titmouse, 89; White-breasted Nuthatch, 107; Red-breasted Nuthatch, 13; Brown Creeper, 6; Winter Wren, 2; Carolina Wren, 1; **Catbird,** 1; Am. Robin, 4; Eastern Bluebird, 2; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 1; Cedar Waxwing, 3; Common Starling, 7248; Myrtle Warbler, 48; **Common Yellowthroat,** 1; **Yellow-breasted Chat,** 1 (at feeding station all week); House Sparrow, 2041; Eastern Meadowlark, 1; Red-winged Blackbird, 127; **Baltimore Oriole,** 2 (constant visitors at feeding station; one banded by Mrs. McEntee); Rusty Blackbird, 31; Purple Grackle, 1; Brown-headed Cowbird, 12; Cardinal, 55; Purple Finch, 12; Pine Siskin, 134; Am. Goldfinch, 121; Savannah Sparrow, 2; **Vesper Sparrow,** 8; Slate-colored Junco, 1027; Am. Tree Sparrow, 1535; **Chipping Sparrow,** 21 (11 near Ridgewood, 10 near Paterson); Field Sparrow, 58; White-throated Sparrow, 317; Fox Sparrow, 1; Swamp Sparrow, 22; Song Sparrow, 244. **Total,** 67 species; about 16,267 individuals.—E. Abeles, A. Aho, J. Albera, A. Andora, E. Arguello, Mrs. H. T. Armitt (compiler), H. T. Armitt, J. Baker, Mrs. R. H. Baker, A. Barber, A. Bihun, Jr., J. Boldtmann, Mrs. J. Boldtmann, K. Carlson, F. Cross, Mrs. F. Cross, R. DaCosta, Mrs. R. DaCosta, A. D'Angelo, R. Deacon, J. C. Demarest, R. Demarest, W. S. Downin, Mrs. F. G. Dunham, A. Dunham, C. Engel, R. Evans, D. Eves, Mrs. N. Emig, M. Ferguson, Mrs. G. B. Fetter, H. S. Fisher, W. Fusser, R. H. Gaede, Mrs. R. H. Gaede, H. Gill, F. Gill, D. Gill, P. H. Grosch, Mrs. P. H. Grosch, E. Hay, J. Keller, H. Kemp, C. K. Kientzler, Mrs. C. K. Kientzler, M. Kuhnen, L. Larson, J. A. Mann, Mrs. H. G. McEntee, E. McGuire, Mrs. E. McGuire, F. J. McKenna, Mrs. F. J. McKenna, P. O'Blenis, Mrs. P. O'Blenis, R. Pollock, Mrs. H. Richmond, W. Rightmeyer, Mrs. F. J. Root, D. A. Roser, Mrs. D. A. Roser, J. Rowe, P. Ruby, S. Satterthwaite, F. R. Schetty, W. Standaert, D. Tead, M. Van Horne, J. Van Saun, Mrs. J. Van Saun, J. Warde, Mrs. R. Watts, T. L. Wellman, S. Winic, J. Zabransky (members of Hackensack and Ridgewood Audubon Societies and guests).

113. **Lakehurst, N. J.** (Point Pleasant to Toms River, Lakehurst and Lakewood; pine woods 50%, deciduous woods 20%, cultivated land 10%, cedar swamps 5%, sand beaches 5%, salt marsh 5%, towns 5%).—Jan. 2; 6:30 a.m. to 5 p.m. Rain in a.m., cloudy in p.m.; temp. 38° to 50°; wind NE to NW, 5-40 m.p.h.; open water throughout. Ten observers in 3 parties. Total party-hours, 21 (16 on foot, 5 by car); total party-miles, 150 (12 on foot, 138 by car). Common Loon, 2; Red-throated Loon, 2; Horned Grebe, 15; Pied-billed Grebe, 12; Gannet, 20; Double-crested Cormorant, 2; Canada Goose, 6; Am. Brant, 300; Mallard, 25; Black Duck, 30; Gadwall, 2; Am. Widgeon, 6; Redhead, 2; Ring-necked Duck, 1; Canvas-back, 3; Greater Scaup, 24; Lesser Scaup, 35; Am. Golden-eye, 22; Buffle-head, 3; Old-squaw, 45; Am. Scoter, 1; Ruddy Duck, 8; Hooded Merganser, 1; Am. Merganser, 15; Red-breasted Merganser, 10; Turkey Vulture, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 7; Sparrow Hawk, 2; Bob-white, 2; Am. Coot, 58; **Killdeer,** 35; Sanderling, 15; Great Black-backed Gull, 110; Herring Gull, 375; Ring-billed Gull, 10; **Laughing Gull,** 2; Bonaparte's Gull, 6; Mourning Dove, 60; Screech Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 2; Blue Jay, 35; Am. Crow, 42; Black-capped Chickadee, 2; Carolina Chickadee, 15; Tufted Titmouse, 3; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 2; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 2; **Catbird,** 4; Am. Robin, 5; Eastern Bluebird, 1; Golden-crowned Kinglet, 10; Ruby crowned Kinglet, 2; Common Starling, 1250; Myrtle Warbler, 6; House Sparrow, 120; Eastern Meadowlark, 1; Red-winged Blackbird, 6; Purple Grackle,

1; Brown-headed Cowbird, 2; Cardinal, 6; Purple Finch, 2; Pine Siskin, 15; **Am. Goldfinch,** 220; Sharp-tailed Sparrow, 1; Seaside Sparrow, 1; Slate-colored Junco, 20; Am. Tree Sparrow, 46; White-throated Sparrow, 25; Swamp Sparrow, 5; Song Sparrow, 12. **Total,** 78 species; about 3166 individuals. —Eleanor Baumle, Fritz Baumle, Sue Chynoweth, David Fables (compiler), Richard Johnson, Walter Kennedy, Gary Straus, Harvey Straus, Milton Straus, Frank Willson (Agassiz Club of Union Junior College).

114. Long Branch, N. J. (Oceanport to Wreck Pond; bays and ponds 40%, beach front 20%, bushy fields 10%, farmland 5%, marshes 15%, woods 10%).—Jan. 2; 5:30 a.m. to 5 p.m. Rain and mist until 11 a.m., clear in p.m.; temp. 45° to 49°; wind SW to NW, 9-17 m.p.h.; no snow, ponds open. Twenty-seven observers in 9 parties. Total party-hours, 69 (40 on foot, 29 by car); total party-miles, 376 (46 on foot, 330 by car). Common Loon, 4; Red-throated Loon, 3; Horned Grebe, 141; Pied-billed Grebe, 15; Gannet, 53; **European Cormorant,** 97 (J.L.E.); Double-crested Cormorant, 9; Great Blue Heron, 26; Mute Swan, 4; **Whistling Swan,** 1; Canada Goose, 24; **Snow Goose,** 1; Mallard, 1120; Black Duck, 694; Gadwall, 3; European Widgeon, 2 [no details—Ed.]; Am. Widgeon, 2606; Pintail, 57; Redhead, 13; Ring-necked Duck, 33; Canvas-back, 2051; Greater Scaup, 2531; Lesser Scaup, 54; Am. Golden-eye, 40; Buffle-head, 46; Old-squaw, 1; White-winged Scoter, 1; Am. Scoter, 3; Ruddy Duck, 49; Hooded Merganser, 4; Am. Merganser, 48; Red-breasted Merganser, 76; Turkey Vulture, 1; Sharp-shinned Hawk, 3; Cooper's Hawk, 4; Red-tailed Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 20; Bob-white, 24; Ring-necked Pheasant, 3; Clapper Rail, 2; Am. Coot, 175; Killdeer, 7; Wilson's Snipe, 1; Sanderling, 4; **Glaucous Gull,** 1 (J.L.E.); Great Black-backed Gull, 333; Herring Gull, 1602; Ring-billed Gull, 89; Bonaparte's Gull, 259; **Black-legged Kittiwake,** 1 (W.F.S.); Mourning Dove, 274; Screech Owl, 2; Horned Owl, 2; Belted Kingfisher, 6; Yellow-shafted Flicker, 9; Hairy Woodpecker, 6; Downy Woodpecker, 23; Horned Lark, 189; Blue Jay, 71; Am. Crow, 279; Fish Crow, 1; Black-capped Chickadee, 5; Carolina Chickadee, 34; Tufted Titmouse, 24; White-breasted Nuthatch, 28; Brown Creeper, 4; House Wren, 1 (I.H.B.) [no details—Ed.]; Winter Wren, 2; Carolina Wren, 12; Long-billed Marsh Wren, 1; Mockingbird, 3; Catbird, 2; Am. Robin, 75; Hermit Thrush, 3; Eastern Bluebird, 15; Golden-crowned Kinglet, 2; **Ruby-crowned Kinglet,** 1 (G.D.S.); Cedar Waxwing, 46; Common Starling, 3740; **Orange-crowned Warbler,** 8 (R.S., D.K., J.J.—4 other recent local records); Myrtle Warbler, 405; Palm Warbler, 1; **Yellow-breasted Chat,** 1 (A.E.E.); House Sparrow, 299; Eastern Meadowlark, 25; Red-winged Blackbird, 242; Brown-headed Cowbird, 62; Cardinal, 76; Pine Siskin, 130; Am. Goldfinch, 151; Eastern Towhee, 1; Savannah Sparrow, 3; Slate-colored Junco, 498; Am. Tree Sparrow, 195; Field Sparrow, 35; White-throated Sparrow, 178; Swamp Sparrow, 8; Song Sparrow, 147; Snow Bunting, 2. **Total,** 100 species; about 19,670 individuals.—I. H. Black, J. S. Brown, Margaret Duncombe, J. L. Edwards, B. Einhorn, A. E. Eynon, L. S. Hilton, J. Jehl, Jr., J. Jubon, D. Kunkle, C. W. Lincoln, Mrs. J. T. Lovett, Mrs. A. L. McKim, B. Murray, N. Niosi, Patty Rice, C. Rosenthal, D. Rosenthal, W. F. Sandford, G. M. Seeley (compiler), R. Sell, G. D. Stout, P. Stout, Mrs. E. E. Van Brunt, E. M. Wisner, V. Wisner, F. P. Wolfarth.

115. Moorestown, Maple Shade, and Riverton, N. J. (same area as former years; farmland 33%, town suburbs 28%, deciduous woods 20%, wet brushy meadows 11%, river front 6%, evergreen woods 2%). —Jan. 2; 7 a.m. to 5 p.m. Rainy, clearing at 11 a.m.; temp. 45° to 57°; wind S to NW, 5-15 m.p.h., ground bare, no ice. Sixty-five observers in 36 parties. Total party-hours, 101 (55 on foot, 24½ by car, 21½ at feeders; total party-miles, 226 (58 on foot, 168 by car). Great Blue Heron, 1; Black-crowned Night Heron, 15; Am. Bittern, 1; Canada Goose, 50; Mallard, 3; Black Duck, 220; Pintail, 640; Ring-necked Duck, 1; Canvas-back, 7; Greater Scaup, 35; Ruddy Duck, 65; Am. Merganser, 7; Red-breasted Merganser, 2; Turkey Vulture, 15; Cooper's Hawk, 2; Red-tailed Hawk, 9; Red-shouldered Hawk, 3; Bald Eagle, 1; Marsh Hawk, 6; Sparrow Hawk, 54; Bob-white, 7; Ring-necked Pheasant, 20; Killdeer, 18; Herring Gull, 323; Ring-billed Gull, 32; Mourning Dove, 415; Screech Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 16; **Yellow-bellied Sapsucker,** 1; Hairy Woodpecker, 15; Downy Woodpecker, 82; Horned Lark, 62; Blue Jay, 81; Am. Crow, 1336; Fish Crow, 17; Black-capped Chickadee, 12; Carolina Chickadee, 388; Tufted Titmouse, 75; White-breasted Nuthatch, 65; Red-breasted Nuthatch, 1; Brown Creeper, 4; Winter Wren, 2; Carolina Wren, 6; Long-billed Marsh Wren, 1; Mockingbird, 23; Am. Robin, 16; Eastern Bluebird, 4; Golden-crowned Kinglet, 1; Loggerhead Shrike, 1; Common Starling, 3304; Myrtle Warbler, 10; House Sparrow, 872; Eastern Meadowlark, 50; Red-winged Blackbird, 21; Purple Grackle, 129; Brown-headed Cowbird, 34; Cardinal, 93; Purple Finch, 16; Pine Siskin, 32; Am. Goldfinch, 74; Savannah Sparrow, 3; Slate-colored Junco, 485; Am. Tree Sparrow, 97; Field Sparrow, 48; **White-crowned Sparrow,** 11 [no details—Ed.]; White-throated Sparrow, 458; Swamp Sparrow, 12; Song Sparrow, 128. **Total,** 69 species; about 10,040 individuals.—S. N. Aldridge, H. F. and I. Anders, A. B. and D. Borton, B. and C. T. Bowers, C. Carter, W. L. and B. Cleaver, H. S. and R. H. Coe, H. C. Collins, F. G. Conrow, C. B. Cooper, E. Dominguez, Dr. E. T. Gibson, E. L. Gillingham, C. J. Gremminger, B. S., R. L. and S. Haines, M. Harris, M. E. Hollinshead, J. D. Hull, 3rd, D. E. and B. Lawyer, M. A. and M. R. Linton, A. W. H., E. R. and J. Lippincott, E. Litchfield, P. B. and M. Lovell, D. B. McGaw, H., E. E., J. L. and H. L. Moore, H. L. Moyer, Jr., D. M. Nelson, S. M. and B. Osterling, T. H. and D. Read, C. L. Reagan, G. B. Reynard, W. H. and H. K. Roberts, A. M. and J. Rogers, R. Smythe, H. Stone, Jos. H., S. and J. H. Taylor, M. F.

and E. Wallace, E. P. Ward, Dr. E. E., Dr. E. D. and H. D. Wildman, R. Wilkins, R. R. Wood.

116. Morristown, N. J. (7½-mile radius centering in Ironia; open area 37%, woodland and wooded hills 49%, swamp and lowland 5%, open lakes country 9%).—Jan. 2; 7 a.m. to 6 p.m.; temp. 28° to 53°; wind SW to W, 0-5 m.p.h.; fog and light rain in morning, mostly cloudy in afternoon. Thirty-four observers in 6 parties. Total party-hours, 119 (? on foot, ? by car); total party-miles, 128 (16 on foot, 112 by car). Horned Grebe, 1; Pied-billed Grebe, 1; Mute Swan, 1; Mallard, 76; Black Duck, 2; Am. Widgeon, 22; Redhead, 2; Canvas-back, 1; Lesser Scaup, 3; Am. Golden-eye, 47; Buffle-head, 1; Old-squaw, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 4; Red-tailed Hawk, 4; Marsh Hawk, 3; Sparrow Hawk, 4; Ruffed Grouse, 1; Ring-necked Pheasant, 6; Am. Coot, 2; Killdeer, 5; Herring Gull, 21; Ring-billed Gull, 1; **Laughing Gull,** 6 (Dr. R.P.R.); Mourning Dove, 49; Horned Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 4; Pileated Woodpecker, 4; Hairy Woodpecker, 19; Downy Woodpecker, 59; Eastern Phoebe, 1 [no details—Ed.]; Blue Jay, 137; Am. Crow, 364; Black-capped Chickadee, 333; Tufted Titmouse, 101; White-breasted Nuthatch, 93; Red-breasted Nuthatch, 6; Am. Robin, 9; Eastern Bluebird, 51; Golden-crowned Kinglet, 7; Cedar Waxwing, 159; Common Starling, 787; Myrtle Warbler, 4; House Sparrow, 515; Purple Grackle, 50; Cardinal, 52; Purple Finch, 6; Pine Grosbeak, 12; Pine Siskin, 201; Am. Goldfinch, 115; Eastern Towhee, 1; Slate-colored Junco, 833; Am. Tree Sparrow, 606; Field Sparrow, 2; White-throated Sparrow, 185; Song Sparrow, 38. **Total,** 57 species; about 5025 individuals. (Evening Grosbeak and Fox Sparrow seen in area previous to and following count.)—Mrs. Henry Appleby, Mrs. Melvin J. Weig (compiler), Mrs. Henry Davis, Lois M. Wenman, Duncan Sharp, Richard Thorsell, Dr. Richard P. Riesz, John T. Neal, Jr., Mrs. John T. Neal, Jr., Alexander Knauss, Mrs. Richard Cubberly, Mrs. Foster D. Smith, Charles Hoyles, Sidney Tamm, George Francis, Richard Gambrill, Mrs. Melvin Whiting, Edna Keller, Dr. L. M. Thompson, C. Bogart, Mrs. William Dodd, Edith L. Smith, May B. Leonard, Thomas T. Cooke, Mrs. Thomas T. Cooke, James W. Hand, Sr., Herman Redden, Peter B. Riesz, Mrs. Curtis Franklin, Maurice Chaillet, Mrs. Arthur Warmington, Mrs. Arthur Gemmell, Worrall F. Mountain, Jr., Mrs. Worrall F. Mountain, Jr. (Morris Nature Club).

117. Mount Holly, N. J. (same area as last year; creek 50%, river 15%, woodland 10%, farmland 10%, pine grove 15%).—Dec. 26; 7 a.m. to 5 p.m. Cold, ground bare; temp. 24° to 28°; wind S, 5 m.p.h. Eight observers in 3 parties. Total party-hours, 25 (8 on foot, 17 by car); total party-miles, 40 (10 on foot, 30 by car). Great Blue Heron, 1; Mallard, 21; Black Duck, 12; Pintail, 10; Wood Duck, 3; Turkey Vulture, 17; Sharp-shinned Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 15; Ring-necked Pheasant, 1; Killdeer, 4; Herring Gull, 20; Mourning Dove, 142; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; **Yellow-bellied Sapsucker,** 1; Hairy Woodpecker, 3; Downy Woodpecker, 11; Blue Jay, 32; Am. Crow, 112; Fish Crow, 3; Black-capped Chickadee, 23; Carolina Chickadee, 11; Tufted Titmouse, 40; White-breasted Nuthatch, 26; Red-breasted Nuthatch, 13; Brown Creeper, 4; Carolina Wren, 3; Mockingbird, 3; Catbird, 1; Am. Robin, 15; Eastern Bluebird, 15; Common Starling, 910; House Sparrow, 70; Eastern Meadowlark, 102; Red-winged Blackbird, 28; Purple Grackle, 53; Brown-headed Cowbird, 75; Cardinal, 28; Evening Grosbeak, 142; Purple Finch, 4; Pine Siskin, 12; Am. Goldfinch, 118; **White-winged Crossbill,** 1; Eastern Towhee, 1; Slate-colored Junco, 67; Am. Tree Sparrow, 26; Field Sparrow, 5; White-throated Sparrow, 83; Fox Sparrow, 8; Song Sparrow, 7. **Total,** 53 species; about 2314 individuals.—May Middleton, J. Russell Sprow, Mr. and Mrs. Charles Applegate, Mr. and Mrs. W. H. Trump, Mrs. Nelson D. W. Pumyea, Nelson D. W. Pumyea (compiler).

118. Northwestern Gloucester County, N. J. (same area and percentages as last year).—Jan. 2; 7 a.m. to 4:30 p.m. Fog until 9 a.m., clear and windy in p.m.; temp. 40° to 52°; wind WNW, 5-21 m.p.h.; ground bare, all water open. Twenty-six observers in 8 parties. Total party-hours, 74 (50 on foot, 24 by car); total party-miles, 313 (40 on foot, 273 by car). Great Blue Heron, 6; Mallard, 4; Black Duck, 2073; Pintail, 3210; Green-winged Teal, 1; Canvas-back, 4; Lesser Scaup, 10; Ruddy Duck, 3507; Turkey Vulture, 151; Cooper's Hawk, 2; Red-tailed Hawk, 17; Red-shouldered Hawk, 2; Rough-legged Hawk, 2; Bald Eagle, 1; Marsh Hawk, 9; Sparrow Hawk, 48; Bob-white, 55; Ring-necked Pheasant, 11; Killdeer, 23; Lesser Yellow-legs, 11; Great Black-backed Gull, 6; Herring Gull, 185; Ring-billed Gull, 14; Mourning Dove, 217; Barn Owl, 2; Horned Owl, 3; Long-eared Owl, 2; Saw-whet Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 18; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 56; Eastern Phoebe, 1; Horned Lark, 155; Blue Jay, 105; Am. Crow, 2880; Fish Crow, 287; Black-capped Chickadee, 57; Carolina Chickadee, 90; Tufted Titmouse, 36; White-breasted Nuthatch, 32; Red-breasted Nuthatch, 4; Brown Creeper, 3; Winter Wren, 3; Carolina Wren, 34; Mockingbird, 13; Am. Robin, 10; Eastern Bluebird, 19; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 1; Common Starling, 5041; Yellow-breasted Chat, 1 [no details—Ed.]; Myrtle Warbler, 1; Palm Warbler, 1; House Sparrow, 908; Eastern Meadowlark, 80; Red-winged Blackbird, 943; Rusty Blackbird, 36; Purple Grackle, 10,151; Cardinal, 102; Purple Finch, 8; Pine Siskin, 16; Am. Goldfinch, 131; Eastern Towhee, 6; Savannah Sparrow, 10; Slate-colored Junco, 1341; Am. Tree Sparrow, 88; Field Sparrow, 83; White-crowned Sparrow, 25 [no details—Ed.]; White-throated Sparrow, 851; Swamp Sparrow, 39; Song Sparrow, 236. **Total,** 74 species; about 33,501 individuals. (Seen in area Jan. 1: Screech Owl, 2; Water Pipit, 38; Gray Shrike, 1.)—Carl Bresler, Drew Byers, Josephine Brown, Robert Cotton, Joseph Dev-

lin, R. D. Drew, Kingsley Ebert, Dick Ebert, Jo Estes, Russell Fowler, W. A. Glass, George Hitchner, Joseph Jacobs, William Jenkins, Lois King, H. S. Lake, Thelma Middleton, W. R. Middleton (compiler), Walter Oblinger, Julian K. Potter, Henry Rodberg, August Sexhauer, C. E. Stasz, Helen Wright, Dick Wright, Jack Wykoff (Gloucester County Nature Club).

119. Oceanville, N. J. (same area as in 1952; 7½-mile radius centered on Brigantine Wildlife Refuge).—Dec. 26; 7:30 a.m. to 4:30 p.m. Clear, ground bare; temp. 35° to 50°; wind SW, 10 m.p.h.; ice on fresh water. Ten observers in 4 parties. Total party-hours, 80 (20 on foot, 60 by car); total party-miles, 210 (20 on foot, 190 by car). Common Loon, 1; Red-throated Loon, 2; Horned Grebe, 61; Pied-billed Grebe, 64; Double-crested Cormorant, 2; Great Blue Heron, 47; Snowy Egret, 1; Little Blue Heron, 6; Black-crowned Night Heron, 4; Am. Bittern, 1; Canada Goose, 325; Am. Brant, 60,000; Mallard, 20; Black Duck, 226; Redhead, 4; Canvas-back, 5; Greater Scaup, 240; Lesser Scaup, 75; Am. Golden-eye, 118; Buffle-head, 190; Old-squaw, 45; White-winged Scoter, 9; Surf Scoter, 4; Am. Scoter, 14; Ruddy Duck, 25; Am. Merganser, 15; Red-breasted Merganser, 44; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Marsh Hawk, 15; Sparrow Hawk, 9; Clapper Rail, 1; Killdeer, 26; Black-bellied Plover, 83; Greater Yellow-legs, 6; Purple Sandpiper, 3; Red-backed Sandpiper, 3600; Sanderling, 140; Great Black-backed Gull, 77; Herring Gull, 3300; Ring-billed Gull, 200; Bonaparte's Gull, 40; Mourning Dove, 30; Short-eared Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 25; Downy Woodpecker, 5; Tree Swallow, 21; Horned Lark, 2; Blue Jay, 70; Am. Crow, 230; Fish Crow, 6; Carolina Chickadee, 57; Tufted Titmouse, 24; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 1; Brown Creeper, 1; Carolina Wren, 5; Mockingbird, 3; Am. Robin, 214; Eastern Bluebird, 48; Golden-crowned Kinglet, 6; Cedar Waxwing, 18; Common Starling, 2900; Loggerhead Shrike, 1; Myrtle Warbler, 1900; Palm Warbler, 1; House Sparrow, 160; Eastern Meadowlark, 30; Red-winged Blackbird, 160; Brown-headed Cowbird, 185; Cardinal, 31; Pine Siskin, 12; Am. Goldfinch, 14; Savannah Sparrow, 13; Slate-colored Junco, 75; Am. Tree Sparrow, 34; Field Sparrow, 6; White-throated Sparrow, 34; Fox Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 16. **Total,** 84 species; about 75,398 individuals—E. P. White, Mr. and Mrs. Frank W. McLaughlin, Mr. and Mrs. Paul Battersby, Mrs. and Miss F. L. Wallace, A. Sexauer, Mrs. H. A. Evans, C. E. Stasz (compiler).

120. Princeton, N. J. within an 11-mile diameter centering on Graduate College; villages, estates, farms, lowland and upland deciduous woods, Red Cedar and pine groves, swamp, marsh, lake, ponds and streams).—Dec. 28; 7 a.m. to 5:30 p.m. Partly cloudy; temp. frost to 60°; wind SW, light; ground bare, lake and ponds mostly frozen, streams more open. Ten observers in 5 parties (+2 at food stations). Total party-hours, 49 (48¼ on foot, ¾ by car); total party-miles, 73 (50 on foot, 23 by car). Pied-billed Grebe, 4; Mute Swan, 2; Mallard, 93; Black Duck, 6; Pintail, 1; Green-winged Teal, 1; Am. Merganser, 1; Turkey Vulture, 7; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 3; Marsh Hawk, 2; Sparrow Hawk, 6; Ring-necked Pheasant, 7; Killdeer, 7; Wilson's Snipe, 1; Mourning Dove, 29; Screech Owl, 1; Horned Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 17; Hairy Woodpecker, 12; Downy Woodpecker, 30; Horned Lark, 18; Blue Jay, 33; Am. Crow, 195; Fish Crow, 2; Black-capped and Carolina Chickadees (both identified), 154; Tufted Titmouse, 30; White-breasted Nuthatch, 31; Red-breasted Nuthatch, 5; Brown Creeper, 6; Winter Wren, 6; Carolina Wren, 11; Catbird, 3; Am. Robin, 11; Hermit Thrush, 1; Eastern Bluebird, 10; Golden-crowned Kinglet, 5; Water Pipit, 16 (F.W.L.); Cedar Waxwing, 56; Common Starling, 1725; Myrtle Warbler, 364; House Sparrow, 227; Eastern Meadowlark, 21; Red-winged Blackbird, 83; Rusty Blackbird, 2; Purple Grackle, 10,000; Brown-headed Cowbird, 64; Cardinal, 70; Evening Grosbeak, 1; Purple Finch, 13; Pine Siskin, 62; Am. Goldfinch, 122; Slate-colored Junco, 621; Am. Tree Sparrow, 195; Field Sparrow, 12; White-throated Sparrow, 323; Swamp Sparrow, 11; Song Sparrow, 149. **Total,** 63 species; about 14,898 individuals. (Seen recently in area: Mockingbird, apparently here all year; Dec. 30: Pigeon Hawk, well seen perched and flying overhead, F.W.L.)—W. F. Alston, E. D. Bloor, Jr., R. D. H. Dingle, C. A. Fox, J. M. Kriz, R. M. Laughlin, F. W. Loetscher, Jr., C. H. (compiler) and M. S. Rogers, A. L. Shinn, R. L. Thomas, N. C. Wyckoff.

121. Ramsey, N. J. (circle with a 7½-mile radius, center in Lake Erskine, Passaic Co., N. J., including Wanaque Reservoir, Pompton Lake, Pines Lakes, Greenwood Lake, Franklin Lakes and the towns of Ramsey, Mahwah and Allendale; lakes and ponds 16%, deciduous woodlands 22%, evergreen woodland 3%, unplowed fields and brush 33%, plowed fields 5%, marsh 2%, golf course and estates 2%, town and suburban 17%).—Jan. 2; 7:30 a.m. to 5 p.m. Rain and fog a.m., clear p.m.; temp. 34° to 45°; wind SSW to W, 2-20 m.p.h.; ground bare, lakes and ponds open. Twenty observers in 7 parties. Total party-hours, 53¾ (42¼ on foot, 11½ by car); total party-miles, 208 (20 on foot, 188 by car). Pied-billed Grebe, 4; Canada Goose, 83; Mallard, 129; Black Duck, 60; Am. Golden-eye, 3; Buffle-head, 2; Hooded Merganser, 33; Am. Merganser, 260; Red-breasted Merganser, 15; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Bald Eagle, 3 (1 adult); Sparrow Hawk, 1; Am. Coot, 6; Killdeer, 1; Herring Gull, 263; Ring-billed Gull, 1; Mourning Dove, 70; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 23; Downy Woodpecker, 45; Blue Jay, 150; Am. Crow, 128; Black-capped Chickadee, 241; Tufted Titmouse, 112; White-breasted Nuthatch, 61; Red-breasted Nuthatch, 2; Brown Creeper, 2; Winter Wren, 1; Catbird, 1; Am. Robin, 2; Cedar Waxwing,

5; Common Starling, 696; Myrtle Warbler, 2; House Sparrow, 325; Cardinal, 27; Evening Grosbeak, 11; Purple Finch, 118; Pine Grosbeak, 3; Pine Siskin, 229; Am. Goldfinch, 78; Eastern Towhee, 1; Slate-colored Junco, 893; Am. Tree Sparrow, 239; Field Sparrow, 4; White-crowned Sparrow, 1 [no details —Ed.]; White-throated Sparrow, 97; Song Sparrow, 36. **Total,** 51 species; about 4473 individuals. (Seen during census period: Mockingbird, Ring-necked Pheasant.)—Mrs. H. G. McEntee, L. Webster, Stiles Thomas, Vail Frost, Mrs. T. Wright, Mrs. F. Robinson, Mr. and Mrs. J. Y. Dater, Mr. and Mrs. H. Brewer, Mr. and Mrs. Chester Pulis, Mr. and Mrs. E. E. Wanek, Mrs. L. Webster, Mr. and Mrs. Roy Dieter, Mrs. E. D. MacDonald, E. D. MacDonald (compiler), Robert Turner (Fyke Nature Association).

122. Raritan Estuary, N. J. (same area as in 1938 and subsequent years; old pasture 10%, deciduous woodland 20%, coniferous woodland 10%, swampy woods 20%, fresh-water swamp 5%, brackish meadows 15%, sand fill 5%, town suburbs 15%).—Dec. 27; 4 a.m. to 5:30 p.m. Clear, except for ground haze over meadows at start; temp. 32° to 51°; wind, none until 10 a.m., then W, 1-8 m.p.h.; ground frozen but thawing, clear of snow, fresh ponds frozen, other water open. Thirteen observers in 5 parties. Total party-hours, 46 (37 on foot, 9 by car); total party-miles, 238 (38 on foot, 200 by car). Horned Grebe, 6; Mute Swan, 1 (feral, on bay); Mallard, 6; Black Duck, 11; Greater Scaup, 780; **Lesser Scaup,** 1 (examined in gunner's bag); Am. Golden-eye, 10; Buffle-head, 15; Old-squaw, 12; White-winged Scoter, 2; Ruddy Duck, 5; Am. Merganser, 2; Red-breasted Merganser, 5; **Sharp-shinned Hawk,** 4; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 2; Marsh Hawk, 4; Duck Hawk, 1; Sparrow Hawk, 6; Ring-necked Pheasant, 1; Clapper Rail, 1; Killdeer, 18; **Lesser Yellow-legs,** 1; Sanderling, 65; Great Black-backed Gull, 2; Herring Gull, 222; Ring-billed Gull, 14; Bonaparte's Gull, 35; Mourning Dove, 139; Barn Owl, 1; Screech Owl, 15; Short-eared Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 5; Hairy Woodpecker, 11; Downy Woodpecker, 17; Horned Lark, 100 (Northern 95, Prairie 5); Blue Jay, 62; Am. Crow, 125; Black-capped Chickadee, 80; Carolina Chickadee, 4; Tufted Titmouse, 37; White-breasted Nuthatch, 25; Red-breasted Nuthatch, 1; Brown Creeper, 2; **Long-billed Marsh Wren,** 2; **Mockingbird,** 2; Catbird, 1; Am. Robin, 4; Hermit Thrush, 3; Golden-crowned Kinglet, 10; **Ruby-crowned Kinglet,** 1 (closely studied, G.M.S.); Common Starling, 3310 in daytime, 110,000 in roost; Myrtle Warbler, 62; House Sparrow, 264; Eastern Meadowlark, 18; Red-winged Blackbird, 333 in daytime, 175,000 in roost; Rusty Blackbird, 10; Purple Grackle, 1408 in daytime, 125,000 in roost; Brown-headed Cowbird, 120 in daytime, 60,000 in roost; Cardinal, 50; Purple Finch, 1; Pine Siskin, 36; Am. Goldfinch, 72; Savannah Sparrow, 15; Sharp-tailed Sparrow, 1; Slate-colored Junco, 303; Am. Tree Sparrow, 554; **Field Sparrow,** 27; White-throated Sparrow, 131; Fox Sparrow, 2; Swamp Sparrow, 55; Song Sparrow, 189; **Lapland Longspur,** 5; **Snow Bunting,** 152. **Total,** 76 species (1 additional subspecies); about 473,835 individuals.—James Baird, Gilbert Cant (compiler), John G. H. Cant, George G. Daniels, Alfred E. Eynon, David Fables, Jr., Charles Hetzel, Edward Massaro, Bert Murray, William Sandford, George M. Seeley, Edmund Wisner, Victor Wisner (Urner Ornithological Club).

123. Sussex County, N. J. (same area as last year). —Jan. 1; 7:45 a.m. to 5:45 p.m. Clear; temp. 30° to 45°; wind N, 7-3 m.p.h.; lakes, ponds, etc. 90% icebound, ground devoid of snow. Twenty observers in 7 parties, 13 others at feeding stations. Total party-hours, 37 (1 on foot, 36 by car); total party-miles, 323 (4 on foot, 319 by car). Horned Grebe, 1; Great Blue Heron, 1; Mallard, 4; Black Duck, 17; Am. Widgeon, 27; Ring-necked Duck, 16; Am. Merganser, 244; Sharp-shinned Hawk, 1; Red-tailed Hawk, 16; Red-shouldered Hawk, 4; Marsh Hawk, 1; Sparrow Hawk, 3; Ruffed Grouse, 1; Am. Coot, 1; **Iceland Gull** (Kumlien's), 1; Herring Gull, 46; **Ring-billed Gull,** 35; Mourning Dove, 176; Screech Owl, 1; Long-eared Owl, 5; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Pileated Woodpecker, 2; Red-headed Woodpecker, 9; Hairy Woodpecker, 12; Downy Woodpecker, 36; Horned Lark, 125; Blue Jay, 172; Am. Crow, 116; Black-capped Chickadee, 197; Tufted Titmouse, 5; White-breasted Nuthatch, 58; Red-breasted Nuthatch, 2; Am. Robin, 80; Eastern Bluebird, 1; Cedar Waxwing, 5; **Loggerhead Shrike,** 1; Common Starling, 2688; House Sparrow, 1674; Eastern Meadowlark, 48; Red-winged Blackbird, 5; Cardinal, 31; Evening Grosbeak, 11; Pine Grosbeak, 14; Pine Siskin, 281; Am. Goldfinch, 66; Slate-colored Junco, 242; Am. Tree Sparrow, 158; White-throated Sparrow, 4; Song Sparrow, 6. **Total,** 50 species; about 6654 individuals. (Baltimore Oriole seen in area two days before, and regularly since the count.)—Ella and Allen Black, Beth Case, Eliz. and Louis Cherepy, Louis Cherepy, Jr., Helen Chorney, H. V. Coes, Jr., Mrs. Clarence Davis, Mr. and Mrs. Albert Dillman, Jean Edsall, Richard Edsall, Mrs. Clarence Haight, Mrs. Clarke Hermance, Mrs. Marshall Hunt, Mrs. Herbert Irons, George Johnson, James Nestel, Betty Nixdorf, E. B. Nixdorf (compiler), John Pike, Mrs. Thorn Pike, Mrs. Clarkson Potter, Eva Rodimer, Mrs. R. H. Seip, Clara Shaterian, Harold Shaterian, Mrs. A. L. Valerio, Mrs. J. VanCamp, Mrs. Francis Vivian, John Weber, James Zamos (Sussex County Bird Club).

124. Allentown, Pa. (Lake Muhlenberg, Trexler Memorial Park, Lehigh Parkway, Waldheim, Trexlertown, Spring Creek and vicinity; swampland 20%, pine grove 10%, small ponds 15%, open parks 25%, open farmlands 15%, deciduous woodlot 15%).—Dec. 26; 8 a.m. to 4:30 p.m. Sunny; temp. 16° to 43°; wind W, 0-12 m.p.h. Eleven observers in 3 parties. Total party-hours, 24 (21 on foot, 3 by car); total party-miles, 81 (17 on foot, 64 by car). Black-crowned Night Heron, 2; Mallard, 1078; Black Duck, 31; Am. Widgeon, 32; Pintail, 13; Green-winged Teal, 5; Ruddy Duck, 1; Cooper's Hawk, 1; Red-

tailed Hawk, 2; Sparrow Hawk, 5; Ring-necked Pheasant, 3; Killdeer, 5; Herring Gull, 1; Mourning Dove, 71; Screech Owl, 1; Long-eared Owl, 1; Saw-whet Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 3; **Yellow-bellied Sapsucker,** 1; Hairy Woodpecker, 9; Downy Woodpecker, 34; Horned Lark, 51 (Northern and Prairie); Blue Jay, 13; Am. Crow, 328; Black-capped Chickadee, 83; Tufted Titmouse, 24; White-breasted Nuthatch, 20; Brown Creeper, 9; Winter Wren, 1; Carolina Wren, 1; Mockingbird, 1; Am. Robin, 1; Eastern Bluebird, 1; Golden-crowned Kinglet, 19; Ruby-crowned Kinglet, 1; Water Pipit, 2; Common Starling, 13,551; Myrtle Warbler, 5; House Sparrow, 740; Eastern Meadowlark, 16; Purple Grackle, 2; Brown-headed Cowbird, 118; Cardinal, 50; Purple Finch, 2; Am. Goldfinch, 31; Slate-colored Junco, 334; Am. Tree Sparrow, 91; White-throated Sparrow, 38; Swamp Sparrow, 1; Song Sparrow, 27. **Total,** 51 species (1 additional subspecies); about 16,864 individuals.—Elizabeth Z. Burkhart, Clara Luckenbach, Clara Miller, Clinton Miller, Robert Miller, Carl E. Montgomery (compiler), Earl E. Montgomery, John E. Trainer, Herman A. Weil, Ann Wesson, Leonard Wesson (Lehigh Valley Bird Club).

125. **Carlisle, Pa.** (same area as 1951 count; creeks, ponds, and springs 40%, open farmland 25%, mixed woodland 25%, deciduous farm woodlots 5%, town suburbs 5%).—Dec. 27; 7:30 a.m. to 4:30 p.m. Clear all day; temp. 22° to 50°; wind 0-3 m.p.h.; ground bare, creeks and springs unfrozen, ponds frozen. Seven observers in 3 parties. Total party-hours, 24 (10 on foot, 14 by car); total party-miles, 194 (13 on foot, 181 by car). Mallard, 8; Black Duck, 4; Am. Merganser, 14; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 5; Red-shouldered Hawk, 3; Sparrow Hawk, 6; Bob-white, 11; Ring-necked Pheasant, 11; Killdeer, 21; Wilson's Snipe, 2; Mourning Dove, 137; Screech Owl, 1; Belted Kingfisher, 10; Yellow-shafted Flicker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 19; Blue Jay, 11; Am. Crow, 1700; Black-capped Chickadee, 59; Tufted Titmouse, 39; White-breasted Nuthatch, 21; Brown Creeper, 1; Winter Wren, 3; Carolina Wren, 4; Mockingbird, 4; Am. Robin, 5; Common Starling, 800; House Sparrow, 360; Rusty Blackbird, 17; Cardinal, 55; Pine Siskin, 1; Am. Goldfinch, 170; Slate-colored Junco, 100; Am. Tree Sparrow, 110; White-crowned Sparrow, 3; White-throated Sparrow, 7; Song Sparrow, 41. **Total,** 39 species; about 3771 individuals. (Seen in area Dec. 25: Red-bellied Woodpecker; Dec. 31: Field Sparrow, 2.)—Forrest C. Grimm (compiler), Mr. and Mrs. J. C. M. Grimm, Edward L. Minnich, Jr., Mrs. E. L. Minnich, Mr. and Mrs. H. G. VanRiper.

126. **Clairton, Pa.** (same area as last year).—Jan. 1; 8 a.m. to 5 p.m. Clear a.m., cloudy late p.m.; temp. 32° to 54°; wind SW, 1-7 m.p.h.; ground bare, streams open, thin ice on ponds. One observer. Total hours, 9; total miles, 8. Ring-necked Pheasant, 7; Screech Owl, 1; Hairy Woodpecker, 2; Downy Woodpecker, 5; Am. Crow, 4; Black-capped Chickadee, 6; Carolina Chickadee, 2; Tufted Titmouse, 9; White-breasted Nuthatch, 4; Carolina Wren, 7; Common Starling, 29; House Sparrow, 31; Cardinal, 19; Slate-colored Junco, 10; Am. Tree Sparrow, 7; Song Sparrow, 4. **Total,** 16 species; 147 individuals.—Ellis H. Shimp.

127. **Deer Creek (Allegheny Co.), Pa.** (Denny's Pond to Carson's, both sides of creek, wooded section west of turnpike, both sides of railroad 1 mile north of high bridge, Allegheny River, north side of 14-mile Island; deciduous woodland 75%, open farmland 10%, marsh 10%, urban teritory 5%).—Jan. 2; 11:30 a.m. to 5 p.m. Sunny; temp. 50° to 60°; wind NW, 5-15 m.p.h.; no ice on ponds or river, river very high. Seven observers in 2 parties. Total party-hours, 11 (10 on foot, 1 by car); total party-miles, 17 (12 on foot, 5 by car). Sparrow Hawk, 2; Ring-necked Pheasant, 1; Downy Woodpecker, 8; Black-capped Chickadee, 30; Tufted Titmouse, 6; White-breasted Nuthatch, 4; Carolina Wren, 4; Ruby-crowned Kinglet, 2; Common Starling, 50; House Sparrow, 35; Cardinal, 14; Am. Goldfinch, 5; Slate-colored Junco, 33; Am. Tree Sparrow, 23; Song Sparrow, 7. **Total,** 15 species; 224 individuals.—William Couchman, Joe Gensbigler, Rugh Henderson, Rowland A. Hawker (compiler), John Springer, William Whitaker, Vincent Widmer.

128. **Easton, Pa.** (7½-mile radius from junction of Delaware and Lehigh Rivers; open farmland 50%, overgrown fields 25%, deciduous woods 25%).—Dec. 31; 8 a.m. to 5:30 p.m. Slightly overcast in morning, increasingly so in afternoon; temp. 28° to 35°; wind W, 12-15 m.p.h. Six observers in 3 parties. Total party-hours, 26½ (19½ on foot, 7 by car); total party-miles, 117½ (24½ on foot, 93 by car). Am. Golden-eye, 6; Cooper's Hawk, 1; Red-tailed Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 5; Ring-necked Pheasant, 1; Herring Gull, 5; Ring-billed Gull, 2; Mourning Dove, 34; Screech Owl, 1; Horned Owl, 2; Belted Kingfisher, 5; Yellow-shafted Flicker, 5; Pileated Woodpecker, 1; **Yellow-bellied Sapsucker,** 1; Hairy Woodpecker, 13; Downy Woodpecker, 30; **Eastern Phoebe,** 1; Horned Lark, 19; Blue Jay, 4; Am. Crow, 160; Black-capped Chickadee, 180; Tufted Titmouse, 15; White-breasted Nuthatch, 19; Brown Creeper, 6; Winter Wren, 4; Carolina Wren, 7; Am. Robin, 56; Eastern Bluebird, 3; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 1; Common Starling, 6347; Myrtle Warbler, 2; House Sparrow, 627; Eastern Meadowlark, 1; Purple Grackle, 1; Brown-headed Cowbird, 40; Cardinal, 53; **Pine Grosbeak,** 23; Pine Siskin, 44; Am. Goldfinch, 44; Eastern Towhee, 1; Slate-colored Junco, 386; Am. Tree Sparrow, 197; White-throated Sparrow, 78; Song Sparrow, 30. **Total,** 46 species; about 8465 individuals.—Dr. and Mrs. George A. Clark, George A. Clark, Jr., Dr. James L. Dyson, June R. Conway, Albert E. Conway (compiler).

129. **Elverson (Chester Co.), Pa.** (same area as in previous years).—Dec. 27; 6 a.m. to 6 p.m. Clear; temp. 28° to 48°; wind NW, 2-8 m.p.h.; ground bare, ponds partly frozen, streams open. Thirteen ob-

servers in 6 parties. Total party-hours, 56 (34 on foot, 22 by car); total party-miles, 326 (38 on foot, 288 by car). Canada Goose, 9; Mallard, 36; Black Duck, 2; Turkey Vulture, 14; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 17; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 9; Ruffed Grouse, 10; Ring-necked Pheasant, 54; Killdeer, 12; Wilson's Snipe, 9; Mourning Dove, 46; Screech Owl, 1; Horned Owl, 7; Long-eared Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 14; Pileated Woodpecker, 3; Hairy Woodpecker, 17; Downy Woodpecker, 54; Horned Lark, 285; Blue Jay, 90; Am. Crow, 824; Black-capped Chickadee, 217; **Carolina Chickadee,** 2 (S.F., J.F.); Tufted Titmouse, 99; White-breasted Nuthatch, 55; Winter Wren, 3; **Bewick's Wren,** 1 (at N. Musser's feeding station since Dec. 14; seen by most local students); Carolina Wren, 5; Catbird, 1; Am. Robin, 4; Hermit Thrush, 1; Eastern Bluebird, 39; Golden-crowned Kinglet, 9; Loggerhead Shrike, 1; Common Starling, 2499; Myrtle Warbler, 9; House Sparrow, 853; Eastern Meadowlark, 44; Red-winged Blackbird, 85; Rusty Blackbird, 7; Purple Grackle, 7; Brown-headed Cowbird, 13; Cardinal, 55; Evening Grosbeak, 1; Purple Finch, 57; Pine Grosbeak, 4; Common Redpoll, 2; Pine Siskin, 62; Am. Goldfinch, 138; Eastern Towhee, 2; Slate-colored Junco, 661; Am. Tree Sparrow, 380; Field Sparrow, 3; **White-crowned Sparrow,** 1; White-throated Sparrow, 128; Swamp Sparrow, 5; Song Sparrow, 150. **Total,** 62 species; about 7124 individuals. (Seen in area Dec. 26 to Jan. 1: Ring-necked Duck, Rough-legged Hawk, Barn Owl, Dickcissel, Baltimore Oriole.)—Richard Benner, William Boyer, Robert E. Cook (compiler), Robert Filmore, Walter Filmore, Sara and John Frankenfield, Eugene Hollinger, Phyllis Hurlock, John Shrader, Arthur Sigman, Smith Sigman, Norman Styer, Jr. (Elverson Bird Club and friends).

130. Glenolden (Delaware Co.), Pa. (7½-mile radius from Wallingford, Pa., same territory as in previous years; marsh 25%, deciduous woodland 20%, pine woods 20%, town suburbs 10%, water 10%, uncultivated fields 10%, farmland 5%).—Jan. 1; 4 a.m. to 5 p.m. Clear, but fog along river; temp. 34° to 50°; wind calm; ground bare, marshes and reservoir open after having been frozen the previous week. Twenty-four observers in 11 parties. Total party-hours, 76 (29 on foot, 47 by car); total party-miles, 376 (51 on foot, 325 by car). Horned Grebe, 1; Pied-billed Grebe, 10; Great Blue Heron, 11; Black-crowned Night Heron, 7; Canada Goose, 10; Mallard, 51; Black Duck, 3327; Gadwall, 1; Am. Widgeon, 12; Pintail, 20,000; Green-winged Teal, 51; Redhead, 1; Greater Scaup, 1; Buffle-head, 7; Ruddy Duck, 170; Am. Merganser, 30; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 56; Red-shouldered Hawk, 6; Rough-legged Hawk, 1; Marsh Hawk, 23; Sparrow Hawk, 33; Ring-necked Pheasant, 16; Killdeer, 313; Wilson's Snipe, 51; Lesser Yellow-legs, 3; **Ruff,** 1 (J.C.M.—lingering in Tinicum marshes since July); Great Black-backed Gull, 3; Herring Gull, 161; Ring-billed Gull, 235; Mourning Dove, 45; Screech Owl, 12; **Horned Owl,** 4; Long-eared Owl, 1; Short-eared Owl, 2; Belted Kingfisher, 10; Yellow-shafted Flicker, 17; Hairy Woodpecker, 12; Downy Woodpecker, 80; **Eastern Phoebe,** 1; Horned Lark, 13; Blue Jay, 37; Am. Crow, 1116; Fish Crow, 7; **Black-capped Chickadee,** 292; Carolina Chickadee, 8; Tufted Titmouse, 71; White-breasted Nuthatch, 38; Red-breasted Nuthatch, 6; Brown Creeper, 10; **House Wren,** 1 (J.C.M.); Winter Wren, 7; Carolina Wren, 22; Long-billed Marsh Wren, 1; Mockingbird, 7; Catbird, 1; Am. Robin, 118; Hermit Thrush, 5; Eastern Bluebird, 36; Golden-crowned Kinglet, 53; **Ruby-crowned Kinglet,** 1 (C.W.C.); Water Pipit, 3; Cedar Waxwing, 12; Common Starling, 4239; Myrtle Warbler, 2; House Sparrow, 829; Eastern Meadowlark, 15; Red-winged Blackbird, 5261; Rusty Blackbird, 30; Purple Grackle, 2; Brown-headed Cowbird, 10; Cardinal, 136; **Evening Grosbeak,** 14 (J.K.W.); Purple Finch, 5; Pine Siskin, 66; Am. Goldfinch, 393; **White-winged Crossbill,** 12 (R.J.B., *et al.*); Eastern Towhee, 1; Savannah Sparrow, 40; Vesper Sparrow, 1; Slate-colored Junco, 920; **Oregon Junco,** 1 (D.C. and H.C.); Am. Tree Sparrow, 981; Field Sparrow, 132; **White-crowned Sparrow,** 6; White-throated Sparrow, 834; Fox Sparrow, 5; Swamp Sparrow, 96; Song Sparrow, 636; **Lapland Longspur,** 1 (C.E.P.). **Total,** 91 species; about 41,312 individuals. (Seen in area Dec. 30: Gray Shrike.) [Excellent details submitted for all unusual records.—Ed.]—R. J. Brooke, F. P. Corbett, C. W. Craig, C. D. Craig, Emlen Cresson, David Cutler, Herbert Cutler, Victor and Anna Debes, James Fowler, L. E. Goff, Quintin Kramer, Jesse Lamplugh, John C. Miller, Sam Orr, Chas. E. Price, Jr., Edward H. Rigby (compiler), E. H. Rigby, 3rd, Grace Rotzel, Paul and Glenna Schwalbe, Phillips B. Street, Asa Way, J. Kenneth Wright, Jr. (Delaware Valley Ornithological Club).

131. Harrisburg, Pa. (same area as in previous years; mixed deciduous woodland 26%, pine woods 5%, farmland 32%, wooded mountain 10%, dumps 5%, creeks and river 7%, ponds and marshes 14%, suburbs 1%).—Dec. 26; 5:30 a.m. to 5 p.m. Clear; temp. 20° to 46°; wind SW, 2-13 m.p.h.; ground bare, ponds frozen, ice on edges of creek and river. Sixteen observers in 9 parties. Total party-hours, 62 (39 on foot, 23 by car); total party-miles, 273½ (57½ on foot, 216 by car). Pied-billed Grebe, 2; Mallard, 85; Black Duck, 229; Am. Widgeon, 18; Pintail, 6; Blue-winged Teal, 3 [no details—Ed.]; Ring-necked Duck, 8; Canvas-back, 5; scaup (sp.), 13; Am. Golden-eye, 46; Buffle-head, 9; Hooded Merganser, 4; Am. Merganser, 78; Turkey Vulture, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 8; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 15; Ruffed Grouse, 7; Bob-white, 4; Ring-necked Pheasant, 40; Killdeer, 15; Herring Gull, 13; Ring-billed Gull, 11; Mourning Dove, 61; Screech Owl, 1; Horned Owl, 2; Long-eared Owl, 3; Belted Kingfisher, 9; Yellow-shafted Flicker, 3; Pileated Woodpecker, 4; Hairy Woodpecker, 17; Downy Woodpecker, 108; Horned Lark, 46; Blue Jay, 18; Am. Crow, 562; Fish Crow, 11; Black-capped Chicka-

dee, 197; Tufted Titmouse, 100; White-breasted Nuthatch, 60; Red-breasted Nuthatch, 2; Brown Creeper, 12; Winter Wren, 11; Carolina Wren, 19; Mockingbird, 3; Am. Robin, 1; Hermit Thrush, 1; Eastern Bluebird, 5; Golden-crowned Kinglet, 26; Ruby-crowned Kinglet, 1; Cedar Waxwing, 2; Common Starling, 1072; Myrtle Warbler, 2; House Sparrow, 515; Eastern Meadowlark, 18; Red-winged Blackbird, 26; Purple Grackle, 11; Brown-headed Cowbird, 10; Cardinal, 186; Pine Siskin, 25; Am. Goldfinch, 92; Slate-colored Junco, 348; Am. Tree Sparrow, 330; Field Sparrow, 35; **White-crowned Sparrow,** 6; White-throated Sparrow, 77; Swamp Sparrow, 3; Song Sparrow, 130. **Total,** 71 species; about 4800 individuals. (Seen in area Dec. 26: towhee, phoebe, Gadwall.)—Jack Beatty, Mr. and Mrs. Donald W. Clark, George Gruber, Fred Howard, Mr. and Mrs. D. L. Knohr, Helen Krause, Anne Kutz, William A. Lief, Philip Myers, Gladys Peck, Jerome Reid, George Salkeld, Frances Seibert, Ted Stevens.

132. Lancaster, Pa. (7½-mile radius centered on northwest corner of Millersville, including middle and lower Conestoga River valley, Lancaster suburbs and parks, Lake Grubb area, Susquehanna River from Columbia to Pequea; conifer plantings 5%, farmland 20%, pastureland 20%, suburbs and parks 10%, streams and ponds 20%, light woodland 20%, heavy woodland 5%).—Dec. 26; 7:30 a.m. to 4:30 p.m. Clear in a.m., overcast in p.m.; temp. 27° to 36°; wind S to SE, 0-10 m.p.h.; ponds and slow streams frozen, Susquehanna River ¾ frozen, no snow on ground. Seventeen observers in 4 parties. Total party-hours, 31 (24 on foot, 7 by car); total party-miles, 60 (19 on foot, 41 by car). Pied-billed Grebe, 1; Mallard, 100; Black Duck, 2202; Ring-necked Duck, 1; Am. Golden-eye, 125; Buffle-head, 10; Am. Merganser, 140; Goshawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 3; Rough-legged Hawk, 1; Sparrow Hawk, 7; Ring-necked Pheasant, 39; Herring Gull, 10; Ring-billed Gull, 2; Mourning Dove, 12; Barn Owl, 1; Screech Owl, 2; Belted Kingfisher, 8; **Yellow-bellied Sapsucker,** 1; Hairy Woodpecker, 5; Downy Woodpecker, 36; Blue Jay, 17; Am. Crow, 323; Fish Crow, 12; Black-capped Chickadee, 177; Tufted Titmouse, 21; White-breasted Nuthatch, 16; Brown Creeper, 10; Winter Wren, 4; Carolina Wren, 5; Mockingbird, 3; Brown Thrasher, 1; Am. Robin, 3; Hermit Thrush, 1; Eastern Bluebird, 8; Golden-crowned Kinglet, 13; Common Starling, 499; House Sparrow, 139; Red-winged Blackbird, 18; **Baltimore Oriole,** 1 (daily at feeder); Purple Grackle, 6; Cardinal, 51; Pine Grosbeak, 3; Am. Goldfinch, 89; Eastern Towhee, 1; Slate-colored Junco, 322; Am. Tree Sparrow, 20; Field Sparrow, 6; **White-crowned Sparrow,** 1; White-throated Sparrow, 97; Fox Sparrow, 2; Swamp Sparrow, 6; Song Sparrow, 53; Snow Bunting, 6. **Total,** 55 species; about 4644 individuals. (White-winged Crossbills seen periodically since Nov. 25; Snowy Owl, Jan. 2 and 3.)—Mr. and Mrs. C. Y. Tanger, Ruth Nolt, Ruth Sener, Samuel Dyke, Theodore Hake, John W. Price, Sr., John W. Price, Jr., Stephan Lockey, Richard Sheppard, Carl Bostrom, Jr., Richard Eyde, Charles Hayford, Jr., Richard Skethway, Carl Fasnacht, Lewis C. Spencer, K. B. Corbett (compiler) (Lancaster County Bird Club).

133. Lewisburg, Pa. (Mifflinburg east to Montandon, north to Forest Hill and Housels Run, south to Winfield, including Kincaid Swamp, Susquehanna River, Chillisquaque Creek, Buffalo Creek, Dales Ridge and Shriners Island; mixed woodland 30%, farmland 50%, cattail marsh 5%, river and bank 10%, suburbs 5%).—Dec. 28; 5:30 a.m. to 5 p.m. Cloudy, intermittent light rain; temp. 30° to 40°; wind WNW, 5-8 m.p.h.; ground clear, little ice along shores of streams and ponds. Eleven observers in 5 parties. Total party-hours, 23 (17 on foot, 6 by car); total party-miles, 137 (22 on foot, 115 by car). Mallard, 40; Black Duck, 100; Lesser Scaup, 4; Am. Golden-eye, 2; Hooded Merganser, 4; Am. Merganser, 11; Sparrow Hawk, 1; Ruffed Grouse, 1; Ring-necked Pheasant, 12; Ring-billed Gull, 1; Mourning Dove, 12; Screech Owl, 2; Horned Owl, 1; Barred Owl, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 28; Horned Lark, 75; Blue Jay, 4; Am. Crow, 961; Fish Crow, 2; Black-capped Chickadee, 102; Tufted Titmouse, 43; White-breasted Nuthatch, 17; Brown Creeper, 12; Winter Wren, 2; Carolina Wren, 5; Am. Robin, 1; Golden-crowned Kinglet, 1; **Ruby-crowned Kinglet,** 1 (L.Mc.); Common Starling, 295; Myrtle Warbler, 1; House Sparrow, 222; Cardinal, 46; Purple Finch, 2; Pine Siskin, 1; Am. Goldfinch, 22; **Vesper Sparrow,** 1; Slate-colored Junco, 142; Am. Tree Sparrow, 162; Field Sparrow, 4; Swamp Sparrow, 4; Song Sparrow, 10. **Total,** 43 species; about 2369 individuals. (Seen in area Dec. 26: Long-billed Marsh Wren, Belted Kingfisher; Dec. 27: Red-breasted Merganser, 3; Cooper's Hawk, 1; Rough-legged Hawk, 2; Barn Owl, 1; Pine Grosbeak, 3.)—Blaine Daugherty, Robert Gift, Wayne Manning, Larry McQueen, Herman Reich, Betty Reich, Hollis T. Ross (compiler), Raymond Secrist, N. H. Stewart, Roy C. Tasker, John C. West (Bucknell Ornithological Club).

134. Linesville, Pa. (7½-mile radius from point 2 miles southeast of Linesville center, including part of Ohio shore of Pymatuning Reservoir and Conneaut Lake; lake shore 40%, swamp 10%, open fields 25%, towns 5%, mixed woods 20%).—Dec. 27; 8 a.m. to 5:15 p.m. Sunny, becoming cloudy by mid-afternoon; temp. 35° to 48°; wind W, 3-5 m.p.h.; lakes 99% frozen, ground covered with 1-3 in. snow. Five observers in 1 party. Total party-hours, 8¼ (4 on foot, 4¼ by car); total party-miles, 48 (5 on foot, 43 by car). Pied-billed Grebe, 2; Canada Goose, 1913; Mallard, 1513; Black Duck, 1538; **Pintail,** 1; **Wood Duck,** 2 (both ♂); Lesser Scaup, 1; Am. Golden-eye, 7; **Ruddy Duck,** 2; Hooded Merganser, 4; Bald Eagle, 1; Sparrow Hawk, 1; Ruffed Grouse, 1; Ring-necked Pheasant, 3; Screech Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 14; Blue Jay, 7; Black-capped Chickadee, 29; Tufted Titmouse, 1; White-breasted Nuthatch, 15; **Winter Wren,** 1; Golden-crowned Kinglet, 1; Cedar Waxwing, 60; Common Starling,

17; House Sparrow, 247; **Brown-headed Cowbird,** 2; Cardinal, 13; Purple Finch, 1; Am. Goldfinch, 2; Slate-colored Junco, 6; Am. Tree Sparrow, 58; Song Sparrow, 4. **Total,** 34 species; about 5471 individuals. —Sara E. Flaugh, Marguerite Geibel, Robert Leberman, Imogene White, Jack Wykoff (Meadville Bird and Tree Club).

135. Lititz, Pa. (center of Lititz to 7 miles north, Hammer Creek Valley area, White Oak Pond; town suburbs 10%, deciduous farm woodlots 30%, pasture 60%).—Dec. 26; 8 a.m. to 4 p.m. Clear; temp. 22° to 42°; wind NW, 1-5 m.p.h.; ponds frozen, creeks open. Six observers in 3 parties. Total party-hours, 23 (21 on foot, 2 by car); total party-miles, 35 (25 on foot, 10 by car). Great Blue Heron, 1; Mallard, 21; Black Duck, 4; Turkey Vulture, 28; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Sparrow Hawk, 12; Ruffed Grouse, 2; Ring-necked Pheasant, 46; Killdeer, 4; Mourning Dove, 254; Horned Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 12; Hairy Woodpecker, 17; Downy Woodpecker, 34; **Eastern Phoebe,** 2 [no details—Ed.]; Horned Lark, 40; Blue Jay, 16; Am. Crow, 683; Black-capped Chickadee, 120; Tufted Titmouse, 15; White-breasted Nuthatch, 22; Brown Creeper, 4; Winter Wren, 2; Carolina Wren, 2; Hermit Thrush, 1; Eastern Bluebird, 2; Ruby-crowned Kinglet, 2; Cedar Waxwing, 8; Common Starling, 520; Myrtle Warbler, 70; House Sparrow, 325; Eastern Meadowlark, 1; Rusty Blackbird, 6; Brown-headed Cowbird, 6; Cardinal, 33; Am. Goldfinch, 19; Slate-colored Junco, 189; Am. Tree Sparrow, 280; Field Sparrow, 16; White-throated Sparrow, 14; Swamp Sparrow, 7; Song Sparrow, 131. **Total,** 47 species; about 2985 individuals.—Robert Buch, Ford Gochenaur, Charles Regennas, Charles Kissinger, Barton Sharp (compiler), Milton Steffy (Lititz Bird Club).

136. Lower Bucks County, Pa. (7½-mile radius from point one mile east of Langhorne, including Morrisville, Yardley, Wrightstown, Richboro, Churchville, Feasterville, Eddington and along Delaware River near Pennsbury; open farmland 20%, town suburbs 5%, evergreen and deciduous woodlands 35%, brush-grown fields 35%, cattail and fresh-water tidal marshland 5%).—Jan. 1; 4:30 a.m. to 4:30 p.m. Clear with slowly increasing cloudiness; temp. 24° to 38°; wind W to NE, 5-8 m.p.h.; ground bare and frozen, reservoir 70% frozen, much ice along streams, tidal marshes clear. Seventeen observers in 7 parties. Total party-hours, 44 (32 on foot, 12 by car); total party-miles, 222 (39 on foot, 183 by car). Pied-billed Grebe, 5; Great Blue Heron, 3; Black-crowned Night Heron, 1; Canada Goose, 24; Mallard, 329; Black Duck, 323; Am. Widgeon, 25; Pintail, 58; Redhead, 6; Ring-necked Duck, 11; Canvas-back, 14; Lesser Scaup, 40; Am. Golden-eye, 30; Ruddy Duck, 2; Am. Merganser, 276; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 5; Red-shouldered Hawk, 3; Marsh Hawk, 2; Sparrow Hawk, 19; Ring-necked Pheasant, 2; Am. Coot, 41; Killdeer, 1; Great Black-backed Gull, 4; Herring Gull, 659; Ring-billed Gull, 145; Mourning Dove, 37; Barn Owl, 2; Screech Owl, 1; Horned Owl, 1. Long-eared Owl, 8; Belted Kingfisher, 4; Yellow-shafted Flicker, 22; **Red-bellied Woodpecker,** 1 (A.B., J.M.) [no details—Ed.]; Hairy Woodpecker, 13; Downy Woodpecker, 75; Horned Lark, 78; Blue Jay, 39; Am. Crow, 2295; Fish Crow, 3; Black-capped Chickadee, 201; Carolina Chickadee, 73; Tufted Titmouse, 103; White-breasted Nuthatch, 43; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 8; Mockingbird, 6; Am. Robin, 4; Hermit Thrush, 1; Eastern Bluebird, 19; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 1; Water Pipit, 8; Loggerhead Shrike, 4; Common Starling, 3550; Myrtle Warbler, 1; House Sparrow, 376; Eastern Meadowlark, 1; Red-winged Blackbird, 13; Purple Grackle, 38; Brown-headed Cowbird, 19; Cardinal, 59; Purple Finch, 1; Pine Siskin, 77; Am. Goldfinch, 79; Eastern Towhee, 1; Savannah Sparrow, 2; Slate-colored Junco, 492; **Oregon Junco,** 1 (R.M.) [no details—Ed.]; Am. Tree Sparrow, 288; Field Sparrow, 54; White-throated Sparrow, 222; Swamp Sparrow, 3; Song Sparrow, 169; **Lapland Longspur,** 2 (E.R.); Snow Bunting, 15. **Total,** 78 species; about 10,551 individuals.—A. and E. Brady, W. Dietrich, A. Herzog, J. Hurst, Jr., G. Krall, L. and I. McConnell, J. P. McIlvain, R. Miller, Dr. E. and K. Reimann, L. and E. Thomas, F. VanSant, Jr., N. Wyckoff, D. Zeiss (Neshaminy Valley Nature Club).

137. New Bloomfield, Pa. (same area as in five previous years).—Dec. 26; 6 a.m. to 4:45 p.m. Clear; temp. 14° to 48°; wind W, 5 m.p.h.; ground bare, smaller ponds frozen, running water open; bees seen flying from hives in afternoon. Eight observers in 4 parties, and 5 at feeding stations. Total party-hours, 26 (16 on foot, 10 by car); total party-miles, 194 (26 on foot, 168 by car). Mallard, 1; Black Duck, 4; Am. Golden-eye, 40; Goshawk, 1; Sharp-shinned Hawk, 2; Red-tailed Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 2; Ruffed Grouse, 14; Bob-white, 15; Ring-necked Pheasant, 2; **Turkey,** 1 (L.M., A.R.); Killdeer, 4; **Wilson's Snipe,** 3; Screech Owl, 3; Horned Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 2; Pileated Woodpecker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 39; Blue Jay, 26; Am. Crow, 221; Black-capped Chickadee, 115; Tufted Titmouse, 117; White-breasted Nuthatch, 82; Red-breasted Nuthatch, 1; Winter Wren, 2; Carolina Wren, 7; **Mockingbird,** 1; Eastern Bluebird, 11; Golden-crowned Kinglet, 15; Cedar Waxwing, 2; Common Starling, 378; Myrtle Warbler, 1; House Sparrow, 762; Eastern Meadowlark, 24; Purple Grackle, 1; Cardinal, 130; Evening Grosbeak, 2; Purple Finch, 2; Am. Goldfinch, 49; Eastern Towhee, 1; Slate-colored Junco, 326; Am. Tree Sparrow, 145; **Chipping Sparrow,** 4 (two each at two different locations, F. Fry); Field Sparrow, 32; White-throated Sparrow, 10; Swamp Sparrow, 15; Song Sparrow, 22. **Total,** 50 species; about 2652 individuals.—David Fry, Frank Fry, Sr., Leroy Myers, Mrs. Ruth Myers, John Soule, Dr. O. K. Stephenson, Mrs. Gwen Wueller, Albert Ramer, Pearl Bruner, Sara Bruner, Mrs. Violet Kitner, Mrs. Albert Rice, Mrs. Nancy Saul.

138. Pennypack Valley, Philadelphia, Pa. (Pennypack Creek Valley, Delaware River to Lorimer Park to Paper Mills; solely a creek valley census, 95% of birds within sight of creek; river edge 10%, public parks 30%, suburban area and farmland 30%, deciduous woodland 30%).—Jan. 2; 7:30 a.m. to 3:30 p.m.; temp. 37° to 53°; wind W-SW, 15-25 m.p.h.; intermittent rain until mid-morning. Fourteen observers in 5 parties. Total party-hours, 100 (85 on foot, 15 by car); total party-miles, 140 (100 on foot, 40 by car). Great Blue Heron, 2; Am. Bittern, 1; Mallard, 45; Black Duck, 24; Pintail, 125; Am. Merganser, 17; Sharp-shinned Hawk, 2; Red-shouldered Hawk, 1; Sparrow Hawk, 7; Ring-necked Pheasant, 7; Herring Gull, 85; Ring-billed Gull, 72; Mourning Dove, 13; Belted Kingfisher, 5; Yellow-shafted Flicker, 3; Hairy Woodpecker, 5; Downy Woodpecker, 20; Blue Jay, 10; Am. Crow, 107; Black-capped Chickadee, 110; Carolina Chickadee, 28; Tufted Titmouse, 22; White-breasted Nuthatch, 17; Winter Wren, 1; Mockingbird, 2; Am. Robin, 1; Eastern Bluebird, 2; Golden-crowned Kinglet, 17; Cedar Waxwing, 18; Common Starling, 180; House Sparrow, 47; Red-winged Blackbird, 1; **Baltimore Oriole,** 1 (J.McN., E.M., W.B.); Purple Grackle, 6; Cardinal, 24; Purple Finch, 7; Pine Siskin, 30; Am. Goldfinch, 42; Slate-colored Junco, 390; Am. Tree Sparrow, 25; Field Sparrow, 6; White-throated Sparrow, 78; Swamp Sparrow, 3; Song Sparrow, 35. **Total,** 44 species; about 1687 individuals. (Also 52 ducks too distant to identify.)—W. Bauers, D. Frantz, Dick Janda, Paul Weirick, A. Gilmore, W. Nixon, H. Green, G. Sivel, E. Phillips, L. Reichel, E. Marlor, J. McNeill, Jr., J. McNeill III, Dr. Sterner.

139. Pittsburgh, Pa. (city and suburbs, Frick Park, Schenley Park, Riverview Park, Highland Park, North Park, Emsworth, McKeesport, Castle Shannon; deciduous woodland 30%, brush 20%, open areas 50%). —Dec. 26; 9 a.m. to 5 p.m. Clear; temp 29° to 55°; wind SSE, 10 m.p.h.; ground clear. Sixteen observers in 8 parties. Total party-hours, 44 (37 on foot, 7 by car); total party-miles, 119 (32 on foot, 87 by car). Mallard, 50; Black Duck, 2; Am. Golden-eye, 27; Cooper's Hawk, 2; Red-tailed Hawk, 1; Sparrow Hawk, 5; Ring-necked Pheasant, 7; Long-eared Owl, 6; Yellow-shafted Flicker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 45; **Eastern Phoebe,** 1 [no details—Ed.]; Horned Lark, 9; Blue Jay, 8; Am. Crow, 98; Black-capped Chickadee, 140; Tufted Titmouse, 73; White-breasted Nuthatch, 53; Red-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 10; Catbird, 1; Am. Robin, 12; Golden-crowned Kinglet, 2; Common Starling, 278; House Sparrow, 244; Cardinal, 160; Am. Goldfinch, 27; Slate-colored Junco, 180; Am. Tree Sparrow, 141; Field Sparrow, 5; Song Sparrow, 32. **Total,** 33 species; about 1630 individuals.—Mary Hartsough, Margaret Wiegand, John Mehner, Stan Belfore, Russell Buehl, Elizabeth McClelland, Grace McClelland, Mrs. Graham Netting, Bessie Scheidel, Harriet Westhoff, Joseph A. Wilkinson, L. F. Savage, Edith Portman, Anthony Netting, Bernard Van Clive, C. B. Shoemaker (compiler) (Audubon Society of Western Pennsylvania).

140. Reading, Pa. (7½-mile radius, centering 2 miles northeast of city, including Lake Ontelaunee and Birdsboro; deciduous woodland 30%, open farmland 30%, lakes and ponds 15%, streams and river-bottom 15%, pine plantation 10%).—Dec. 26; 7:30 a.m. to 4 p.m. Clear; temp. 18° to 34°; wind NW, 0-10 m.p.h.; ground bare, lake 9/10 frozen, smaller ponds frozen. Twenty-six observers in 6 parties. Total party-hours, 45 (30 on foot, 15 by car); total party-miles, 125 (30 on foot, 95 by car). Pied-billed Grebe, 1; Great Blue Heron, 5; Canada Goose, 3; Mallard, 2007; Black Duck, 2022; Gadwall, 3; Am. Widgeon, 200; Pintail, 150; Green-winged Teal, 25; Shoveller, 3; Am. Merganser, 10; Goshawk, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 4; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Bald Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 8; Ruffed Grouse, 1; Ring-necked Pheasant, 44; Killdeer, 24; Herring Gull, 19; Mourning Dove, 108; Belted Kingfisher, 7; Yellow-shafted Flicker, 24; Pileated Woodpecker, 1; Hairy Woodpecker, 22; Downy Woodpecker, 67; **Eastern Phoebe,** 1 [no details—Ed.]; Horned Lark, 50 (35 Northern, 15 Prairie); Blue Jay, 16; Am. Crow, 6577; Fish Crow, 2; Black-capped Chickadee, 188; Tufted Titmouse, 40; White-breasted Nuthatch, 22; Red-breasted Nuthatch, 10; Brown Creeper, 6; Winter Wren, 5; Carolina Wren, 10; Catbird, 1; Hermit Thrush, 1; Eastern Bluebird, 7; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 1; Cedar Waxwing, 39; Common Starling, 4119; Myrtle Warbler, 42; House Sparrow, 403; Eastern Meadowlark, 3; **Baltimore Oriole,** 1 (R.E.C., W.R.S., A.S., I.W.); Cardinal, 70; **Pine Grosbeak,** 17; Pine Siskin, 26; Am. Goldfinch, 58; Slate-colored Junco, 405; Am. Tree Sparrow, 516; Field Sparrow, 3; White-throated Sparrow, 319; Swamp Sparrow, 6; Song Sparrow, 49. **Total,** 62 species (1 additional subspecies); about 17,793 individuals.—Mr. and Mrs. F. Babb, R. J. Boyer, R. E. Cook, J. DeLama, Mr. and Mrs. D. Feick, S. Gundy, E. Hill, P. Jensen, W. Kalbach, J. Malek, E. Manning, P. Martin, C. MacDonald, B. Nunemacher, R. D. Oaks, E. Poole, C. Schaich, W. R. Shade, Sr., W. R. Shade, Jr., A. Sigman, C. Stohler, N. Styer, I. Weigley, S. Wishnieski (Baird Ornithological Club).

141. Scranton, Pa. (same area as previous years). —Jan. 2; 8:30 a.m. to 5 p.m. Fog, rain, clearing during afternoon; temp. 40° to 44°; wind NW, 0-8 m.p.h.; ground bare. Twenty-one observers in 7 parties. Total party-hours, 35 (20 on foot, 15 by car); total party-miles, 169 (43 on foot, 126 by car). Mallard, 1; Black Duck, 45; Am. Merganser, 19; Ruffed Grouse, 3; Ring-necked Pheasant, 1; Belted Kingfisher, 2; Hairy Woodpecker, 7; Downy Woodpecker, 23; Blue Jay, 11; Am. Crow, 42; Black-capped Chickadee, 169; Tufted Titmouse, 1; White-breasted Nuthatch, 22; Red-breasted Nuthatch, 2; Brown Creeper, 2; Carolina Wren, 2; Mockingbird, 1; Gray Shrike, 1; Common Starling, 339; House Sparrow, 223; Cardinal, 31; Evening Grosbeak, 42;

Common Redpoll, 10; Am. Goldfinch, 70; Slate-colored Junco, 104; Am. Tree Sparrow, 48; White-throated Sparrow, 2; Song Sparrow, 14. **Total,** 28 species; about 1237 individuals.—Mr. and Mrs. F. H. Coffin, Helen Hay, Helen Howarth, Harold R. Jones, M. J. Kelly, Mr. and Mrs. Arthur Knight, Russell Landis, Richard Lane, C. F. Manness, Peter Price, James Richards, A. L. Rogers, Alfred Ryan, W. E. C. Speare, Elizabeth A. Taft, David Wharton, Paul and Kenneth Widdall, Ed Williams (Scranton Bird Club).

142. Southeastern Bradford Co., Pa. (same area and habitat as last year).—Dec. 27; 4:40 a.m. to 5:10 p.m. Clear; temp. 20° to 53°; no wind; ground bare, ponds frozen, creeks and Susquehanna River open. One observer. Total hours, 12½ (7½ on foot, 5 by car); total miles, 114 (6 on foot, 108 by car). **Pied-billed Grebe,** 1; Great Blue Heron, 1; Mallard, 20; Black Duck, 182; **Lesser Scaup,** 2; Am. Golden-eye, 2; Am. Merganser, 124; Red-tailed Hawk, 2; Rough-legged Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 4; Herring Gull, 13; **Ring-billed Gull,** 1; Screech Owl, 3; Horned Owl, 9; Belted Kingfisher, 2; Pileated Woodpecker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 4; Blue Jay, 16; Am. Crow, 100; Black-capped Chickadee, 35; Tufted Titmouse, 4; White-breasted Nuthatch, 7; Brown Creeper, 4; Winter Wren, 3; Carolina Wren, 1; Golden-crowned Kinglet, 4; Common Starling, 100; House Sparrow, 40; Purple Grackle, 1; Cardinal, 5; Evening Grosbeak, 2; **Pine Grosbeak,** 11; Pine Siskin, 1; Am. Goldfinch, 5; Slate-colored Junco, 15; Am. Tree Sparrow, 40; Song Sparrow, 3. **Total,** 39 species; 774 individuals.—William Reid.

143. Stahlstown, Pa. (area 3½ miles north of Stahlstown on Dody Rd., 7½-mile radius centered on the "Wm. Piper" gas well #1; area covered by using old logging roads and trails; open farmland 15%, pine groves 10%, deciduous forest 75%).—Dec. 26; 9:30 a.m. to 5:30 p.m. Clear and sunny, old snow on ground; temp. 33° to 50°; wind SW, 5-15 m.p.h. Three observers in 1 party. Total party-hours, 8 (6 on foot, 2 by car); total party-miles, 12 (6 on foot, 6 by car). Ruffed Grouse, 2; Bob-white, 1; Ring-necked Pheasant, 3; Screech Owl, 2; Pileated Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 3; Am. Crow, 8; Black-capped Chickadee, 23; Tufted Titmouse, 4; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 2; Brown Creeper, 1; Winter Wren, 1; Ruby-crowned Kinglet, 1; Cardinal, 5; Slate-colored Junco, 20; White-throated Sparrow, 1; Song Sparrow, 2. **Total,** 19 species; 86 individuals.—John R. Lehman (compiler), Mary L. Burke, John Burke.

144. State College, Pa. (campus, town, suburbs, surrounding farms and woodlands, to Meek's Church, Furnace, Scotia, Spring Creek, three mountain gaps and state forests, as far as Bear Meadows and Stone Valley; town and environs 25%, ponds 13%, streams with bushes 13%, farmlands with fencerows 18%, mountain woodlands 31%).—Dec. 31; 7:30 a.m. to 5 p.m. Cloudy; temp. 34° to 40°; wind SW, 1-7 m.p.h.; ground bare except for icy snow in mountains, streams open and water high. Eighteen observers in 7 parties. Total party-hours, 39 (34 on foot, 5 by car); total party-miles, 190 (20 on foot, 170 by car). Mallard, 109; Black Duck, 3; Ring-necked Duck, 1; Greater Scaup, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Marsh Hawk, 8; Sparrow Hawk, 3; Ruffed Grouse, 12; Ring-necked Pheasant, 1; **Florida Gallinule,** 1 (seen regularly all fall and early winter); Barn Owl, 1; Horned Owl, 1; Long-eared Owl, 3; Short-eared Owl, 2; Yellow-shafted Flicker, 2; Pileated Woodpecker, 3; Red-headed Woodpecker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 10; Horned Lark, 10; Blue Jay, 48; Am. Crow, 182; Black-capped Chickadee, 93; Tufted Titmouse, 25; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 2; Brown Creeper, 4; Winter Wren, 2; Carolina Wren, 1; **Catbird,** 1 (C.J.R., E.R.B.); Eastern Bluebird, 6; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 1; Cedar Waxwing, 19; **Gray Shrike,** 1; Loggerhead Shrike, 3; Common Starling, 876; House Sparrow, 228; Eastern Meadowlark, 18; **Red-winged Blackbird,** 36; Rusty Blackbird, 13; **Brown-headed Cowbird,** 2; Cardinal, 10; Evening Grosbeak, 45; Purple Finch, 4; Am. Goldfinch, 57; **Eastern Towhee,** 1; Slate-colored Junco, 114; Am. Tree Sparrow, 98; White-throated Sparrow, 2; Swamp Sparrow, 1; Song Sparrow, 8. **Total,** 54 species; about 2101 individuals.—Mrs. R. W. Barker, Jacques Berger, Alfred Blackadar, N. D. Blackburn, Mr. and Mrs. E. R. Bordner, Dorothy Bordner, William S. Clarke, Jr. (compiler), Mrs. A. W. Cowell, David Cowell, H. B. Curry, Charles Ely, Mrs. Ruth Honey, Leon J. Hue, Richard P. Nickelsen, Mrs. C. J. Rowland, V. Vand, Merrill Wood (State College Bird Club).

145. Warren, Pa. (same area as last year).—Dec. 31; 7:30 a.m. to 3:30 p.m. Overcast to clear; temp. 32° to 36°; wind negligible; 2-3-in. snow on ground, streams open. Three observers in 1 party. Total party-hours, 8 (5 on foot, 3 by car); total party-miles, 43 (8 on foot, 35 by car). Pied-billed Grebe, 4; Ruffed Grouse, 2; Screech Owl, 1; Belted Kingfisher, 1; Hairy Woodpecker, 1; Downy Woodpecker, 3; Blue Jay, 18; Black-capped Chickadee, 24; Tufted Titmouse, 2; White-breasted Nuthatch, 6; Brown Creeper, 3; Eastern Bluebird, 1; Golden-crowned Kinglet, 3; Gray Shrike, 1; Common Starling, 22; House Sparrow, 44; Cardinal, 12; Evening Grosbeak, 35; Purple Finch, 3; Am. Goldfinch, 21; Slate-colored Junco, 33; Am. Tree Sparrow, 41; Field Sparrow, 4; Song Sparrow, 2. **Total,** 24 species; 287 individuals.—Harris Johnson (compiler), Mrs. Harris Johnson, Curtis Johnson.

146. Wellsboro, Pa. (7½-mile radius centering in Wellsboro, covering Ansonia, Catlin Hollow, Ely Hill, Hill's Creek, Marsh Creek, Stoneyfork, suburban Wellsboro; mixed woodland 25%, cultivated land 40%, waste and idle land 15%, stream bank 10%, miscellaneous 10%).—Jan. 2; 7 a.m. to 5 p.m. Fog and clouds in a.m., clear in p.m.; temp. 28° to 45°; wind W to NW, moderate; some snow in sheltered

places, standing water frozen, open water in creeks. Eighteen observers in 10 parties. Total party-hours, 31 (23 on foot, 8 by car), total party-miles, 82 (18 on foot, 64 by car). Cooper's Hawk, 1; Red-tailed Hawk, 2; Bald Eagle, 1; Sparrow Hawk, 3; Ruffed Grouse, 7; Hairy Woodpecker, 6; Downy Woodpecker, 10; Blue Jay, 20; Am. Crow, 48; Black-capped Chickadee, 50; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 1; Brown Creeper, 1; Golden-crowned Kinglet, 2; Gray Shrike, 1; Common Starling, 71; House Sparrow, 229; Purple Grackle, 30; Cardinal, 1; Evening Grosbeak, 53; Pine Grosbeak, 1; Slate-colored Junco, 9; Am. Tree Sparrow, 78. **Total,** 23 species; 635 individuals. (Seen in area Dec. 26: Snow Bunting, 250; Jan. 1: Pileated Woodpecker, Horned Lark, 4.)—Rae Allen, Mrs. Clyde Bailey, Dr. and Mrs. T. R. Bailey, Florence Buckley, Mrs. Henry Button, Charles Ely (compiler), Wilda Ely, William Forsythe, Marie Grego, Mrs. Mortimer Kentch, Mrs. G. M. Owlett, Edith Pagan, William Scudder, Mr. and Mrs. Charles G. Webb, Hazel Ridge, Louise Smith.

147. **West Chester, Pa.** (7½-mile radius; open farmland 55%, overgrown fields 20%, deciduous woods 20%, mixed evergreen planting 2%, serpentine barrens 1%, town suburbs 2%).—Dec. 28; 8 a.m. to 5:30 p.m. Clear, increasing overcast in afternoon; temp. 30° to 42°; wind NW, 5-10 m.p.h.; large bodies of water frozen. Fifty-three observers in 17 parties. Total party-hours, 104 (66½ on foot, 37½ by car); total party-miles, 641 (84 on foot, 557 by car). Great Blue Heron, 5; Black-crowned Night Heron, 8; Am. Bittern, 1; Canada Goose, 44; Mallard, 135; Black Duck, 35; Am. Merganser, 20; Turkey Vulture, 63; Sharp-shinned Hawk, 2; Cooper's Hawk, 6; Red-tailed Hawk, 6; Red-shouldered Hawk, 3; Rough-legged Hawk, 2; Bald Eagle, 1; Marsh Hawk, 6; Sparrow Hawk, 26; Bob-white, 6; Ring-necked Pheasant, 28; Killdeer, 25; Am. Woodcock, 1; Herring Gull, 6; Mourning Dove, 68; Screech Owl, 5; Horned Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 13; Yellow-shafted Flicker, 19; Red-bellied Woodpecker, 5; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 23; Downy Woodpecker, 87; **Eastern Phoebe,** 2; Blue Jay, 73; Am. Crow, 7521; Fish Crow, 6; Black-capped Chickadee, 271; Carolina Chickadee, 156; **Brown-capped Chickadee,** 1 [no details—Ed.]; Tufted Titmouse, 140; White-breasted Nuthatch, 76; Red-breasted Nuthatch, 1; Brown Creeper, 8; **House Wren,** 1 [no details—Ed.]; Winter Wren, 8; Carolina Wren, 17; Mockingbird, 14; Catbird, 3; Brown Thrasher, 1; Am. Robin, 66; Eastern Bluebird, 83; Golden-crowned Kinglet, 19; Ruby-crowned Kinglet, 7; Cedar Waxwing, 11; Loggerhead Shrike, 1; Common Starling, 2177; Myrtle Warbler, 12; Palm Warbler, 1; House Sparrow, 775; Eastern Meadowlark, 38; Red-winged Blackbird, 258; Purple Grackle, 35; Brown-headed Cowbird, 10; Cardinal, 150; **Pine Grosbeak,** 1; Common Redpoll, 15; Pine Siskin, 18; Am. Goldfinch, 305; **White-winged Crossbill,** 5; Eastern Towhee, 4; Savannah Sparrow, 2; Vesper Sparrow, 2; Slate-colored Junco, 1361; Am. Tree Sparrow, 344; Field Sparrow, 25; White-throated Sparrow, 343; Fox Sparrow, 8; Swamp Sparrow, 7; Song Sparrow, 151. **Total,** 78 species; about 15,117 individuals.—Mrs. Laura W. Abbott, Mr. and Mrs. Taylor Herron, Horace H. Way, Edna Hess, William Oliver, Frederick A. Colwell, Peter Colwell, Harold Weaver, Herbert A. Houston, David A. Cutler, Mrs. Edward Siddall, Jr., Gilbert Siddall, Margaret S. Goodwin, Violet L. Findlay, Mrs. Mildred Pendergrast, Mrs. Abner W. Few, Mr. and Mrs. John S. Frankenfield, Dr. and Mrs. Robert B. Gordon, Mr. and Mrs. Herman F. Kuch, Mrs. George E. DeCoursey, Mr. and Mrs. Cyril K. Bryan, Mrs. Mary W. Savery, Helen G. Williams, Pauline Ramstine, Mrs. Pauline Titman, Dr. Mary J. Hogue, Gordon D. Whitcraft, Anna P. James, Mrs. John M. Highberger, Frances L. Groff, Mrs. Alfred Hallowell, Mary A. Sharples, Joseph Cope, Beryl and Phyllis Hurlock, Elisabeth Procknow, Marian Cheyney, Mrs. Lewis P. Marshall, Anna, Gertrude, and Helen Rhoads, Martha and Shippen Willing, Chris and Dan Whyte, George A. Clark, Jr., Albert E. Conway (compiler), June R. Conway (West Chester Bird Club).

148. **Wyncote, Pa.** (about the same area as in recent years, entirely in Montgomery Co.).—Dec. 26; 6 a.m. to 5 p.m. Clear; temp. 22° to 42°; wind negligible; ground bare, as all winter thus far. Sixteen observers in 9 parties. Total party-hours, 71 (30 on foot, 41 by car); total party-miles, 85 (29 on foot, 56 by car). Black Duck, 2; **Turkey Vulture,** 1 (J.S.); Cooper's Hawk, 3; Red-tailed Hawk, 2; Red-shouldered Hawk, 4; Sparrow Hawk, 4; Ring-necked Pheasant, 26; Killdeer, 36; Mourning Dove, 58; Belted Kingfisher, 2; Yellow-shafted Flicker, 9; Hairy Woodpecker, 7; Downy Woodpecker, 47; Blue Jay, 13; Am. Crow, 213; Black-capped Chickadee, 140; **Brown-capped Chickadee,** 1 (at feeder all month); Tufted Titmouse, 58; White-breasted Nuthatch, 38; Red-breasted Nuthatch, 2; Brown Creeper, 3; Carolina Wren, 2; Am. Robin, 45; Hermit Thrush, 1; Eastern Bluebird, 7; Golden-crowned Kinglet, 6; Common Starling, 943; Myrtle Warbler, 13; House Sparrow, 534; Red-winged Blackbird, 53; Purple Grackle, 202; Cardinal, 65; **Evening Grosbeak,** 9 (F.M., J.P.); Pine Siskin, 35 (one flock); Am. Goldfinch, 51; Slate-colored Junco, 359; Am. Tree Sparrow, 101; Field Sparrow, 13; White-throated Sparrow, 333; Fox Sparrow, 1; Swamp Sparrow, 4; Song Sparrow, 76. **Total,** 42 species; about 3522 individuals.—Mrs. Evelyn Custer, John Dornan, Mrs. E. S. Griscom, Richard Kleen, Gaylord LeRoy, Richard Lord, Thomas Lord, Fred Mears, Judy Perley, Mrs. T. F. Rossiter, Mr. and Mrs. Rowland, Mrs. J. P. Schnell, Jay Schnell, Mr. and Mrs. Sievert (Wyncote Bird Club).

149. **York, Pa.** (approximately same area as in 10 previous years; 7½-mile radius, centered at Stony Brook; open farmland 50%, deciduous farm woodlots 10%, woodland and fields along river 35%, town suburbs 5%).—Jan. 1; 7 a.m. to 5 p.m. Clear, heavy fog by river until noon; temp. 32° to 42°; wind SW, 3-15 m.p.h.; ground bare. Twenty-eight observers

in 13 parties. Total party-hours, 74 (60 on foot, 14 by car); total party-miles, 261 (51 on foot, 210 by car). Great Blue Heron, 2; Whistling Swan, 6; Canada Goose, 35; Mallard, 189; Black Duck, 234; Am. Widgeon, 8; Pintail, 57; Canvas-back, 1; Am. Golden-eye, 22; Buffle-head, 3; Am. Merganser, 9; Sharp-shinned Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 13; Ring-necked Pheasant, 18; Wilson's Snipe, 1; Herring Gull, 7; Ring-billed Gull, 5; Mourning Dove, 16; Screech Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 11; Red-headed Woodpecker, 1; Hairy Woodpecker, 16; Downy Woodpecker, 52; **Eastern Phoebe,** 1; Horned Lark, 46; Blue Jay, 55; Am. Crow, 996; Fish Crow, 8; Black-capped Chickadee, 190; Carolina Chickadee, 12; Tufted Titmouse, 113; White-breasted Nuthatch, 64; Brown Creeper, 34; Winter Wren, 7; Carolina Wren, 49; Mockingbird, 14; Catbird, 1; Am. Robin, 4; Eastern Bluebird, 1; Golden-crowned Kinglet, 22; Ruby-crowned Kinglet, 1; Common Starling, 1534; Myrtle Warbler, 14; House Sparrow, 574; Eastern Meadowlark, 13; Brown-headed Cowbird, 1; Cardinal, 124; Purple Finch, 11; Pine Grosbeak, 10; Pine Siskin, 22; Am. Goldfinch, 129; Eastern Towhee, 3; Slate-colored Junco, 301; Am. Tree Sparrow, 40; Field Sparrow, 13; White-throated Sparrow, 108; Fox Sparrow, 1; Song Sparrow, 73. **Total,** 60 species; about 5303 individuals.—Elizabeth Bilger, Viola V. Dietz (compiler), Dorothy Dressler, Winifred Moore, Mary Neiman, Anna C. Reinecker, M. Dorothy Schwartzer, Naomi Sell, Sara Ross Smith, Elaine G. Tompkins, Zora Williams, Sylvia Yeager, James Beath, Ross Bigler, Raymond Bubb, Luther Dehoff, Jacque Falkenstine, Ted Hake, Andrew Leader, Mr. and Mrs. Clarence Kissinger, Mr. and Mrs. Paul Ilginfritz, Al Spiese, Mr. and Mrs. Frank Smyser, Mr. and Mrs. J. T. Yoder (York County Bird Club).

150. Bombay Hook National Wildlife Refuge, Del. (7½-mile radius covering Delaware River north to Woodland Beach, south to North Kitts Hummock, west to Dover and Lebanon; increased emphasis on river-front coverage; refuge area undergoing habitat change with virtual elimination of second growth, brush and hedgerows; countered by a substantial increase in water areas).—Jan. 2; 3 a.m. to 5 p.m. Rain and fog to 10 a.m., then partly cloudy; temp. 38° to 48°; wind SW-NW, 25-40 m.p.h.; all ground water and main lake open, visibility until 10 a.m. poor. Thirty-five observers in 10 parties. Total party-hours, 98 (62 on foot, 28 by car, 6 by boat, 2 by airplane); total party-miles, 726 (120 on foot, 470 by car, 26 by boat, 110 by airplane). Common Loon, 1; Pied-billed Grebe, 5; **Double-crested Cormorant,** 15; Great Blue Heron, 53; **Am. Egret,** 2; Black-crowned Night Heron, 1; Am. Bittern, 1; Whistling Swan, 1; Canada Goose, 8000; Am. Brant, 5; Snow Goose, 363; Blue Goose, 2; Mallard, 7500; **Black Duck,** 32,000; Gadwall, 600; Am. Widgeon, 400; Pintail, 22,000; Green-winged Teal, 500; Blue-winged Teal, 6; Shoveller, 5; Wood Duck, 2; Redhead, 18; Ring-necked Duck, 350; Canvas-back, 900; Greater Scaup, 1200; Lesser Scaup, 220; Am. Golden-eye, 39; Buffle-head, 26; Old-squaw, 2; White-winged Scoter, 46; Surf Scoter, 76; Am. Scoter, 30; Ruddy Duck, 5; Hooded Merganser, 64; Am. Merganser, 450; Red-breasted Merganser, 12; Turkey Vulture, 317; Black Vulture, 16; Sharp-shinned Hawk, 5; Cooper's Hawk, 4; Red-tailed Hawk, 46; Red-shouldered Hawk, 8; Rough-legged Hawk, 5; Bald Eagle, 10; **Marsh Hawk,** 102; Peregrine Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 53; Bob-white, 36; Ring-necked Pheasant, 2; Clapper Rail, 1; **Florida Gallinule,** 1; Am. Coot, 932; Killdeer, 34; Black-bellied Plover, 10; Wilson's Snipe, 10; Greater Yellow-legs, 1; Red-backed Sandpiper, 150; **Sanderling,** 30; Great Black-backed Gull, 16; Herring Gull, 940; Ring-billed Gull, 989; Mourning Dove, 362; Barn Owl, 2; Screech Owl, 2; Horned Owl, 12; Barred Owl, 3; Long-eared Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 9; Yellow-shafted Flicker, 102; Red-bellied Woodpecker, 27; Hairy Woodpecker, 13; Downy Woodpecker, 48; Eastern Phoebe, 1; Horned Lark, 94; Blue Jay, 87; Am. Crow, 5778; Fish Crow, 48; Black-capped Chickadee, 23; Carolina Chickadee, 134; Tufted Titmouse, 56; White-breasted Nuthatch, 29; Red-breasted Nuthatch, 3; Brown Creeper, 13; Winter Wren, 11; Carolina Wren, 77; Long-billed Marsh Wren, 1; Mockingbird, 28; Catbird, 1; Am. Robin, 14; Hermit Thrush, 4; Eastern Bluebird, 45; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 6; Water Pipit, 53; Cedar Waxwing, 9; Loggerhead Shrike, 2; Common Starling, 8845; **Orange-crowned Warbler,** 2; Myrtle Warbler, 544; Common Yellow-throat, 3; House Sparrow, 614; Eastern Meadowlark, 420; Red-winged Blackbird, 13,780; Rusty Blackbird, 101; **Brewer's Blackbird,** 40 (in area since Oct.); Purple Grackle, 445; Brown-headed Cowbird, 1462; Cardinal, 176; **Dickcissel,** 1 (present since Oct.); **Evening Grosbeak,** 5; Purple Finch, 5; Pine Siskin, 3; Am. Goldfinch, 244; Eastern Towhee, 24; Savannah Sparrow, 84; Sharp-tailed Sparrow, 1; Seaside Sparrow, 1; Vesper Sparrow, 2; Slate-colored Junco, 389; Am. Tree Sparrow, 236; Chipping Sparrow, 1; Field Sparrow, 76; White-crowned Sparrow, 12; White-throated Sparrow, 719; Fox Sparrow, 2; Swamp Sparrow, 40; Song Sparrow, 397; **Snow Bunting,** 1. **Total,** 130 species; about 114,391 individuals. (Seen in area Dec. 18: Baltimore Oriole.) —T. Baldwin, I. Bauer, B. Berkowitz, Joseph Cadbury, Joel Cadbury, David Cadbury, A. Conway, J. Conway, E. Cutler, H. Cutler, D. Cutler (compilers), J. H. Arnett, E. Choate, I. D'Allessandro, J. Fowler, C. Frost, D. Hickock, W. Jay, Q. Kramer, H. Lance, H. Mathews, S. Mulligan, P. Livingston, H. Penniston, J. Morsello, J. Miller, N. Miller, C. Price, E. H. Rigby, E. J. Reimann, W. Reynolds, R. Sehl, P. B. Street, K. Wright, C. Wonderly (Delaware Valley Ornithological Club).

151. Middletown, Del. (same area as previous year).—Dec. 31; 7 a.m. to 5:30 p.m. Clear in morning, cloudy in afternoon; temp. 32° to 42°; wind W to SE, 1-3 m.p.h.; ground bare, all water open. Three observers in 3 parties. Total party-hours, 12½ (9½ on foot, 3 by car); total party-miles, 84 (7 on foot, 77 by car). Great Blue Heron, 7; Canada Goose, 63; Mallard, 58; Black Duck, 298; Pintail, 18;

Green-winged Teal, 3; Canvas-back, 1; Greater Scaup, 22; Am. Golden-eye, 1; Buffle-head, 2; Ruddy Duck, 10; Am. Merganser, 3; Turkey Vulture, 41; Black Vulture, 3; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 5; Sparrow Hawk, 6; Bob-white, 3; Am. Coot, 1; Killdeer, 3; Greater Yellow-legs, 2; Sanderling, 1; Great Black-backed Gull, 1; Ring-billed Gull, 40; Mourning Dove, 15; Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 6; Horned Lark, 23; Blue Jay, 5; Am. Crow, 31; Carolina Chickadee, 23; Tufted Titmouse, 2; White-breasted Nuthatch, 4; Brown Creeper, 1; Winter Wren, 2; Carolina Wren, 4; Mockingbird, 7; Am. Robin, 3; Golden-crowned Kinglet, 1; Common Starling, 640; **Yellow-breasted Chat,** 1; Myrtle Warbler, 5; House Sparrow, 27; Eastern Meadowlark, 11; Red-winged Blackbird, 3285; Purple Grackle, 3275; Brown-headed Cowbird, 2900; Cardinal, 10; Pine Siskin, 14; Am. Goldfinch, 42; **Eastern Towhee,** 1 (E.B.); Savannah Sparrow, 4; Slate-colored Junco, 59; Am. Tree Sparrow, 14; Field Sparrow, 5; White-throated Sparrow, 47; Swamp Sparrow, 8; Song Sparrow, 17. **Total,** 66 species; about 11,102 individuals. (Yellow-breasted Chat trapped and banded by E. Pell. Seen in area Dec. 29: Horned Grebe, 1; Am. Widgeon, 12; Lesser Scaup, 1; Herring Gull, 30.)—Ethel Brady (part time), Edith Pell (at banding station), Walden Pell, 2nd (compiler).

152. Rehoboth, Del. (7½-mile radius centering on Nassau, including Cape Henlopen, Rehoboth, and upper Rehoboth Bay on the east, Herring Creek on the south, Ingram Millpond and Paynter's Pond at Milton on the west, and Prime Hook Neck on the north; tidal bays and estuaries 15%, ocean shore line 10%, river shore line 5%, fresh-water lakes 10%, fresh-water marsh 10%, deciduous woods 15%, fields 10%, coastal coniferous woods 10%, wooded swamp 5%, salt marsh 5%, thickets 5%).—Jan 1; 4:30 a.m. to 7 p.m. Clear; temp. 34° to 55°; wind calm; ground bare, all water open. Four observers in 2 parties. Total party-hours, 22 (17 on foot, 5 by car); total party-miles, 185 (20 on foot, 165 by car). Common Loon, 2; Red-throated Loon, 60; Horned Grebe, 100; Pied-billed Grebe, 24; Double-crested Cormorant, 1; Great Blue Heron, 2; Black-crowned Night Heron, 1; Canada Goose, 900; Am. Brant, 200; Mallard, 35; Black Duck, 200; Am. Widgeon, 25; Pintail, 15; Green-winged Teal, 16; Shoveller, 4; Ring-necked Duck, 20; Canvas-back, 3000; Greater Scaup, 2; Lesser Scaup, 10; Am. Golden-eye, 1; Buffle-head, 31; Old-squaw, 8; White-winged Scoter, 3; Surf Scoter, 3; Am. Scoter, 6; Ruddy Duck, 50; Hooded Merganser, 2; Am. Merganser, 2; Red-breasted Merganser, 36; Turkey Vulture, 70; Black Vulture, 8; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 11; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 10; Peregrine Falcon, 1; Sparrow Hawk, 22; Am. Coot, 200; Killdeer, 5; **Ruddy Turnstone,** 6; Wilson's Snipe, 1; Sanderling, 12; Great Black-backed Gull, 1; Herring Gull, 250; Ring-billed Gull, 650; Bonaparte's Gull, 40; Mourning Dove, 3; Barn Owl, 2; Horned Owl, 3; Barred Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 9; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 5; Eastern Phoebe, 1; Horned Lark, 10; Blue Jay, 7; Am. Crow, 300; Fish Crow, 2; Carolina Chickadee, 18; Tufted Titmouse, 9; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 7; Winter Wren, 4; Carolina Wren, 7; Long-billed Marsh Wren, 1; Mockingbird, 21; Brown Thrasher, 1; Am. Robin, 21; Eastern Bluebird, 12; Golden-crowned Kinglet, 2; Water Pipit, 2; Loggerhead Shrike, 1; Common Starling, 20,000; Myrtle Warbler, 105; House Sparrow, 250; Eastern Meadowlark, 300; Red-winged Blackbird, 50,000; Rusty Blackbird, 2; **Boat-tailed Grackle,** 2; Purple Grackle, 50,000; Brown-headed Cowbird, 5000; Cardinal, 25; Pine Siskin, 2; Am. Goldfinch, 75; Eastern Towhee, 9; Savannah Sparrow, 10; Sharp-tailed Sparrow, 8; Vesper Sparrow, 2; Slate-colored Junco, 125; Am. Tree Sparrow, 30; Field Sparrow, 17; **White-throated Sparrow,** 1200; Fox Sparrow, 1; Swamp Sparrow, 24; Song Sparrow, 250. **Total,** 100 species; about 133,949 individuals.—D. Franz, P. S. Weirick, W. Yoder, H. Matthews (compiler).

153. Accokeek, Md. (east side of Potomac River from Bryan's Point east along south side of Piscataway Creek to Indian Head Highway; about 3 square miles of river and bay front, cultivated river flat, wooded creek bottom, wooded swamp, cattail marsh, border of adjacent wooded upland).—Dec. 31; 7:30 a.m. to 4:30 p.m. Subdued sunshine through high thin clouds; temp. 30° to 54°; no wind; ground bare, no ice. Four observers in 4 parties. Total party-hours, 30; total party-miles, 30. Great Blue Heron, 2; Black-crowned Night Heron, 1; Mallard, 15; Black Duck, 20; Am. Golden-eye, 6; Buffle-head, 10; Ruddy Duck, 2; Hooded Merganser, 1; Am. Merganser, 8; Turkey Vulture, 13; Black Vulture, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Bald Eagle, 2; Marsh Hawk, 1; Sparrow Hawk, 1; Bob-white, 9; Killdeer, 65; Herring Gull, 20; Ring-billed Gull, 30; Mourning Dove, 60; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 30; Pileated Woodpecker, 5; Red-bellied Woodpecker, 55; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 10; Downy Woodpecker, 30; Eastern Phoebe, 1; Blue Jay, 60; Am. Crow, 75; Fish Crow, 2; Carolina Chickadee, 80; Tufted Titmouse, 60; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 3; Brown Creeper, 3; Winter Wren, 3; Carolina Wren, 35; Mockingbird, 22; Hermit Thrush, 1; Eastern Bluebird, 35; Golden-crowned Kinglet, 3; Cedar Waxwing, 35; Common Starling, 1000; Myrtle Warbler, 25; House Sparrow, 5; Eastern Meadowlark, 45; Red-winged Blackbird, 150; Rusty Blackbird, 2; Cardinal, 70; Purple Finch, 70; Pine Siskin, 1; Am. Goldfinch, 65; Eastern Towhee, 16; Savannah Sparrow, 5; Slate-colored Junco, 300; Am. Tree Sparrow, 3; Field Sparrow, 20; White-throated Sparrow, 300; Swamp Sparrow, 18; Song Sparrow, 80. **Total,** 64 species; about 3012

individuals.—A. A. Baker, Edwin T. McKnight (compiler), Thomas B. Nolan, W. W. Rubey.

154. Annapolis and Gibson Island, Md. (7½-mile radius centered at west end of new Severn River Bridge, U.S. 50, including the Magothy, Severn, and South Rivers, west shore of Chesapeake Bay from Gibson Island south to Thomas Point; Gibson Island area has been censused under that name since 1950; Chesapeake Bay 7%, tidal estuaries 8%, marsh 2%, swamp 1%, fields 9%, pines 10%, hardwood 57%, urban 6%).—Jan. 2; 5:30 a.m. to 6 p.m. Fog to 7 a.m., clear at 9 a.m.; temp. 42° to 60°; wind NW, 0-30 m.p.h.; ground bare, all water open. Sixty-one observers in 21 parties. Total party-hours, 180 (107 on foot, 69 by car, 4 by boat); total party-miles, 767 (89 on foot, 658 by car, 20 by boat). Horned Grebe, 229; Pied-billed Grebe, 79; Great Blue Heron, 54; **Green Heron,** 1 (E.R.S.); Whistling Swan, 1065; Canada Goose, 551; Mallard, 107; Black Duck, 375; Gadwall, 12; Am. Widgeon, 2012; Redhead, 28; Ring-necked Duck, 90; **Canvas-back,** 11,238; Greater Scaup, 30; Lesser Scaup, 97; Am. Golden-eye, 424; Buffle-head, 591; Old-squaw, 985; White-winged Scoter, 152; **Ruddy Duck,** 14,190 Hooded Merganser, 13; Am. Merganser, 1; Turkey Vulture, 218; Black Vulture, 25; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 6; Red-shouldered Hawk, 2; Bald Eagle, 1; Marsh Hawk, 4; Sparrow Hawk, 12; Bob-white, 67; Virginia Rail, 1; Am. Coot, 2705; Killdeer, 72; Black-bellied Plover, 4; Wilson's Snipe, 1; Great Black-backed Gull, 13; Herring Gull, 589; Ring-billed Gull, 30; Mourning Dove, 46; Horned Owl, 2; Barred Owl, 3; **Belted Kingfisher,** 104; Yellow-shafted Flicker, 56; Red-bellied Woodpecker, 110; **Red-headed Woodpecker,** 1 (W.H.B.); Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 23; Downy Woodpecker, 102; Eastern Phoebe, 3; Horned Lark, 3; Blue Jay, 246; Am. Crow, 1168; Fish Crow, 2; Black-capped Chickadee, 46; Carolina Chickadee, 361; Tufted Titmouse, 188; White-breasted Nuthatch, 42; Red-breasted Nuthatch, 15; Brown Creeper, 19; Winter Wren, 7; Carolina Wren, 207; Long-billed Marsh Wren, 4; Mockingbird, 160; Catbird, 1 (C.S.R.); Am. Robin, 22; Hermit Thrush, 44; **Eastern Bluebird,** 378; **Blue-gray Gnatcatcher,** 2 (well seen—E.P.W.); Golden-crowned Kinglet, 16; Ruby-crowned Kinglet, 1; Cedar Waxwing, 82; Loggerhead Shrike, 1; Common Starling, 1486; Myrtle Warbler, 36; House Sparrow, 624; Eastern Meadowlark, 127; Red-winged Blackbird, 632; Rusty Blackbird, 9; Purple Grackle, 6; Brown-headed Cowbird, 19; **Scarlet Tanager,** 1 (♂ in breeding plumage carefully described by E.R.S.; seen on two subsequent dates and by other observers); Cardinal, 363; **Dickcissel,** 1 (also seen at feeder prior to day of count—Mrs. W.L.H.); Pur[illegible] Finch, 4; Pine Siskin, 28; Am. Goldfinch, 608; [illegible] Towhee, 92; Savannah Sparrow, 4; Sharp-tailed Sparrow, 1; Vesper Sparrow, 3; **Slate-colored Junco,** 1725; Am. Tree Sparrow, 104; Field Sparrow, 127; **White-crowned Sparrow,** 1 (E.M.B.); White-throated Sparrow, 1221; Fox Sparrow, 2; Swamp Sparrow, 32; Song Sparrow, 508; Snow Bunting, 15. **Total,** 101 species; about 47,326 individuals. (In addition 399 unidentified scaup. Seen in area during period: Red-breasted Merganser, Clapper Rail, Screech Owl, Evening Grosbeak.)—Col. and Mrs. U. Amoss, Elting Arnold, Ed. M. Barry, W. H. Berry, W. G. Bodenstein, Chas. Buchanan, Col. and Mrs. G. Bunting, L. H. Choate, R. D. Cole, Mrs. J. L. Daly, Howard Dean, Mrs. R. P. Dubois, Robert Dwight, Don Fankhauser, Pearl Heaps, Mrs. Richard Henderson, Judge and Mrs. (compiler) W. L. Henderson, Dr. and Mrs. D. G. Howard, R. L. Kleen, Mrs. R. M. Langdon, Mrs. Joyce Lubbert, Mr. and Mrs. W. Luff, R. E. Luttrell, John Mason, Mr. and Mrs. D. F. Miner, Lewis Oring, Jan Reese, Chandler S. Robbins, Friel Sanders, Mrs. Gordon Schaum, E. R. Seeders, Stephen Simon, Elizabeth Slater, Robert Stewart, A. R. Stickley, Jr., Father Edward Stoehr, Mr. and Mrs. Herbert Strack, H. F. Sturdy, Mr. and Mrs. D. Swing, Mrs. Gail Tappan (compiler), Mr. and Mrs. James Travis, Mr. and Mrs. A. Varrieur, Edna Warren, Caroline Werner, Mrs. Richard West, Harold Wierenga, Cdr. and Mrs. E. P. Wilson, Capt. (compiler), and Mrs. J. E. M. Wood, Mrs. Elmer Worthley.

155. Catoctin Mountain, Md. (7½-mile radius centered 1.3 miles west of Thurmont; described in 1949).—Jan. 1; 6:30 a.m. to 8:30 p.m. Mostly clear; temp. 28° to 48°; wind SW, 0-5 m.p.h.; ground bare, streams open, ponds partly frozen. Eight observers in 3 parties. Total party-hours, 34 (18 on foot, 16 by car); total party-miles, 227 (20 on foot, 207 by car). Great Blue Heron, 1; Mallard, 16; Black Duck, 3; Am. Merganser, 9; Turkey Vulture, 26; Black Vulture, 1; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; **Red-tailed Hawk,** 14; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 6; Ruffed Grouse, 4; Bob-White, 7; Killdeer, 9; **Wilson's Snipe,** 3; Mourning Dove, 1; Horned Owl, 3; Belted Kingfisher, 3; Yellow-shafted Flicker, 18; Pileated Woodpecker, 1; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 4; Hairy Woodpecker, 9; Downy Woodpecker, 42; Eastern Phoebe, 1; Horned Lark, 110; Blue Jay, 96; Am. Crow, 2600; **Fish Crow,** 5; **Black-capped Chickadee,** 138; Carolina Chickadee, 52; Tufted Titmouse, 60; White-breasted Nuthatch, 41; Brown Creeper, 4; Winter Wren, 5; Carolina Wren, 28; **Mockingbird,** 27; Am. Robin, 9; Hermit Thrush, 2; Eastern Bluebird, 14; Ruby-crowned Kinglet, 1; Common Starling, 3300; Myrtle Warbler, 1; **Palm Warbler,** 1 (Yellow, S.H.L., S.T.L., K.K.); House Sparrow, 500; Eastern Meadowlark, 12; Red-winged Blackbird, 6; Purple Grackle, 1; Cardinal, 133; Evening Grosbeak, 1; **Pine Grosbeak,** 6 (C.S.R., S.C.S.); Pine Siskin, 2; **Am. Goldfinch,** 157; **Eastern Towhee,** 2 (S.H.L., S.T.L., K.K.); Slate-colored Junco, 291; Am. Tree Sparrow, 241; Field Sparrow, 51; White-crowned Sparrow, 18; White-throated Sparrow, 46; Swamp Sparrow, 3; Song Sparrow, 85. **Total,** 62 species; about 8243 individuals.—Katherine Keeley, Seth H. Low, Seth T. Low, Sarah Quinn, John W. Richards (compiler), Ruth O. Richards, Chandler S. Robbins, Sue C. Stauffer.

156. Denton (Caroline Co.), Md. (same area and habitat percentages as past 4 years).—Jan. 1; 6 a.m. to 5:15 p.m. Clear in a.m., cloudy in p.m.; temp. 30° to 52°; wind light and variable; ground bare, all water open. Eighteen observers in 12 parties. Total party-hours, 59 (40 on foot, 19 by car); total party-miles, 307 (30 on foot, 277 by car). Pied-billed Grebe, 9; Great Blue Heron, 5; Whistling Swan, 1; Canada Goose, 225; Mallard, 24; Black Duck, 16; Wood Duck, 1; Ring-necked Duck, 5; Am. Golden-eye, 1; Ruddy Duck, 1; Am. Merganser, 23; Turkey Vulture, 268; Cooper's Hawk, 1; Red-tailed Hawk, 8; Red-shouldered Hawk, 6; Marsh Hawk, 7; Sparrow Hawk, 26; Bob-white, 20; Killdeer, 25; Herring Gull, 4; Ring-billed Gull, 27; Mourning Dove, 286; Horned Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 22; Red-bellied Woodpecker, 18; Hairy Woodpecker, 3; Downy Woodpecker, 33; Eastern Phoebe, 1; Horned Lark, 3; Blue Jay, 87; Am. Crow, 197; **Black-capped Chickadee,** 14; Carolina Chickadee, 177; Tufted Titmouse, 31; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 36; Brown Creeper, 19; Winter Wren, 1; **Bewick's Wren,** 1 (banded bird at feeding station—R.B.F.); Carolina Wren, 46; Mockingbird, 33; Catbird, 1; Am. Robin, 27; Hermit Thrush, 2; Eastern Bluebird, 91; Golden-crowned Kinglet, 12; Water Pipit, 150; Loggerhead Shrike, 11; Common Starling, 1106; Myrtle Warbler, 11; Palm Warbler, 8 (2 Yellow); House Sparrow, 446; Eastern Meadowlark, 250; Red-winged Blackbird, 987; Purple Grackle, 8; Brown-headed Cowbird, 42; Cardinal, 149; Evening Grosbeak, 2; Pine Siskin, 2; Am. Goldfinch, 353; Eastern Towhee, 30; Savannah Sparrow, 7; Slate-colored Junco, 686; Am. Tree Sparrow, 4; Field Sparrow, 97; White-crowned Sparrow, 21; White-throated Sparrow, 695; Fox Sparrow, 6; Song Sparrow, 134. **Total,** 70 species (1 additional subspecies); about 7068 individuals.—Annabelle Bilbrough, Elsie Bilbrough, Irene Bilbrough, Margarete Butenschoen, A. J. Fletcher (compiler), Bobby Fletcher, Roberta B. Fletcher, George Gottwalls, Jr., Marvin W. Hewitt, Naomi Hewitt, Richard L. Kleen, Ethel Poore, W. Byron Poore, Wilbur Rittenhouse, Jaquelin Smith, Jay Smith, Salome Somers, A. May Thompson.

157. Garrett County, Md. (same area and habitat percentages as in 1949; 7½-mile radius centered 1¼ miles north-northeast of McHenry).—Dec. 31; 6:15 a.m. to 6 p.m. Overcast until 2:30 p.m., then clear; temp. 28° to 40°; wind SW, 0-5 m.p.h.; 1-6-in. snow in woods, lake frozen, streams open. Seventeen observers in 5 parties. Total party-hours, 95½ (71 on foot, 20½ by car, 4 by jeep); total party-miles, 305½ (40½ on foot, 218 by car, 47 by jeep). Cooper's Hawk, 1; Sparrow Hawk, 1; **Ruffed Grouse,** 27; **Am. Woodcock,** 1 (R.B.McC.); Horned Owl, 3; Pileated Woodpecker, 11; Hairy Woodpecker, 16; Downy Woodpecker, 27; Horned Lark, 1; Blue Jay, 89; Common Raven, 3; Am. Crow, 310; Black-capped Chickadee, 158; Tufted Titmouse, 10; White-breasted Nuthatch, 22; Brown Creeper, 4; Winter Wren, 5; Carolina Wren, 2; Am. Robin, 7; **Hermit Thrush,** 1; Golden-crowned Kinglet, 3; **Gray Shrike,** 1 (E.G.W.); Common Starling, 661; House Sparrow, 532; Eastern Meadowlark, 17; Rusty Blackbird 11; Cardinal, 73; **Evening Grosbeak,** 80; **Pine Grosbeak,** 9 (C.S.R., R.K.B.); Am. Goldfinch, 24; **Red Crossbill,** 1 (R.D.C.); Slate-colored Junco, 250; Am. Tree Sparrow, 176; Field Sparrow, 7; White-throated Sparrow, 2; Song Sparrow, 25. **Total,** 36 species; about 2571 individuals. (One Bob-white found freshly killed.) [Careful details submitted for all unusual records.—Ed.]—Ralph K. Bell, Richard D. Cole, Katherine Keeley, Leonard M. Llewellyn, Seth H. Low, Seth T. Low, Robert B. McCartney, Burnie Miller, Gilbert Miller, Helen Miller, John W. Richards, Chandler S. Robbins (compiler), K. Friel Sanders, Mrs. Gordon Schaum, Stephen W. Simon, H. Elizabeth Slater, Elmer G. Worthley.

158. McCoole (Allegany Co.), Md. (center of town to 1 mile east, center of town north along U. S. 220 to Rawlings, top of Dans Mountain 3 mi. east of Lonaconing).—Jan. 1; 8 a.m. to 7 p.m. Early morning fog, clear by 9 a.m.; temp. 28° to 54°; wind calm to 5 m.p.h.; ground bare except for spots of old snow on Dans Mountain. One observer. Total hours, 11 (10 on foot, 1 by car); total miles, 20 (8 on foot, 12 by car). Red-tailed Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 1; Mourning Dove, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 6; **Red-bellied Woodpecker,** 1; Hairy Woodpecker, 4; Downy Woodpecker, 14; Horned Lark, 6; Blue Jay, 15; Am. Crow, 61; Black-capped Chickadee, 20; Tufted Titmouse, 9; White-breasted Nuthatch, 7; Carolina Wren, 2; Mockingbird, 4; Am. Robin, 1; Hermit Thrush, 1; Common Starling, 1020; Myrtle Warbler, 1; House Sparrow, 86; Cardinal, 25; Am. Goldfinch, 3; Eastern Towhee, 1; Slate-colored Junco, 113; Am. Tree Sparrow, 36; White-crowned Sparrow, 9; White-throated Sparrow, 25; Song Sparrow, 11. **Total,** 30 species; about 1487 individuals. —Leonard M. Llewellyn.

159. Ocean City, Md. (same area as in past 6 years; same habitat percentages as in 1949).—Dec. 27; 5 a.m. to 6 p.m. Clear; temp. 35° to 55°; wind calm; ground bare, ponds partly frozen. Tweny-nine observers in 10 parties. Total party-hours, 177 (125 on foot, 45½ by car, 6½ by boat); total party-miles, 534½ (138½ on foot, 367 by car, 29 by boat). Common Loon, 7; Red-throated Loon, 144; Red-necked Grebe, 2; Horned Grebe, 371; Pied-billed Grebe, 18; Gannet, 4; Double-crested Cormorant, 12; Great Blue Heron, 69; Black-crowned Night Heron, 6; Am. Bittern, 1; Canada Goose, 1899; Am. Brant, 4431; Snow Goose, 1997; Blue Goose, 1; Mallard, 397; Black Duck, 493; Am. Widgeon, 8; Pintail, 180; **European Teal,** 1 (S.H.L., J.H.B.); Green-winged Teal, 43; Blue-winged Teal, 1; Shoveller, 4; Wood Duck, 2; Ring-necked Duck, 4; Canvasback, 422; Greater Scaup, 1; Lesser Scaup, 26; unidentified scaup, 58; Am. Golden-eye, 119; **Bufflehead,** 4187; Old-squaw, 1968; **White-winged Scoter,** 2636; **Surf Scoter,** 5352; **Am. Scoter,** 2368; Ruddy Duck, 5; Hooded Merganser, 4; Am. Merganser, 2; Red-breasted Merganser, 267; **Turkey Vulture,** 883;

Black Vulture, 7; **Sharp-shinned Hawk,** 14; Cooper's Hawk, 5; Red-tailed Hawk, 25; Red-shouldered Hawk, 21; **Golden Eagle,** 1 (S.H.L., J.H.B.); Bald Eagle, 4; Marsh Hawk, 16; Peregrine Falcon, 1; **Pigeon Hawk,** 1 (R.D.C.); Sparrow Hawk, 46; Bob-white, 122; Clapper Rail, 4; Virginia Rail, 1; **Florida Gallinule,** 1 (S.H.L., J.H.B.); Am. Coot, 1; Ringed Plover, 1 (J.B., J.T., M.T.); Piping Plover, 14 (I.N.G., A.S.); Killdeer, 175; Black-bellied Plover, 97; Am. Woodcock, 2; Wilson's Snipe, 2; Greater Yellow-legs, 1; Purple Sandpiper, 68; Least Sandpiper, 14 (2 parties); Red-backed Sandpiper, 809; Semipalmated Sandpiper, 10; Sanderling, 152; Great Black-backed Gull, 26; Herring Gull, 1866; Ring-billed Gull, 804; Laughing Gull, 1; Bonaparte's Gull, 212; Forster's Tern, 8 (3 parties); **Black Skimmer,** 2 (I.N.G., A.S.); Mourning Dove, 374; Barn Owl, 5; Screech Owl, 2; **Horned Owl,** 26; Barred Owl, 15; Short-eared Owl, 2; **Saw-whet Owl,** 1 (R.L.K.); Belted Kingfisher, 22; **Yellow-shafted Flicker,** 239; **Pileated Woodpecker,** 20; Red-bellied Woodpecker, 59; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 32; Downy Woodpecker, 141; Eastern Phoebe, 17; Horned Lark, 77; **Tree Swallow,** 29; Blue Jay, 65; Am. Crow, 564; Fish Crow, 2; **Black-capped Chickadee,** 12 (3 parties); Carolina Chickadee, 508; Tufted Titmouse, 290; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 24; Brown-headed Nuthatch, 60; **Brown Creeper,** 58; House Wren, 1; Winter Wren, 68; **Carolina Wren,** 286; Long-billed Marsh Wren, 7; Short-billed Marsh Wren, 23; Mockingbird, 52; Catbird, 17; Brown Thrasher, 56; Am. Robin, 389; Hermit Thrush, 101; **Eastern Bluebird,** 231; Golden-crowned Kinglet, 55; Ruby-crowned Kinglet, 7; Water Pipit, 173; Cedar Waxwing, 15; Loggerhead Shrike, 20; Common Starling, 3066; **Orange-crowned Warbler,** 2 (J.T., J.E.K., R.R.K.); Myrtle Warbler, 4001; Pine Warbler, 3; Palm Warbler, 5 (including 2 Western, 2 Yellow); House Sparrow, 1038; **Eastern Meadowlark,** 2224; Red-winged Blackbird, 26,825; **Baltimore Oriole,** 1 (R.R.K.); Rusty Blackbird, 53; Boat-tailed Grackle, 1; Purple Grackle, 4950 (Purple and Bronzed); Brown-headed Cowbird, 600; Cardinal, 366; Evening Grosbeak, 20 (4 parties); Purple Finch, 29; Pine Siskin, 25; **Am. Goldfinch,** 1053; **Eastern Towhee,** 487; Ipswich Sparrow, 2; Savannah Sparrow, 471; Sharp-tailed Sparrow, 10; Seaside Sparrow, 6; Vesper Sparrow, 34; Slate-colored Junco, 1364; Am. Tree Sparrow, 34; Chipping Sparrow, 2; Field Sparrow, 307; White-crowned Sparrow, 6; **White-throated Sparrow,** 3517; Fox Sparrow, 44; Swamp Sparrow, 413; **Song Sparrow,** 987; Snow Bunting, 25. **Total,** 150 species (2 additional subspecies); about 89,059 individuals. (One Lesser Yellow-legs seen in area Dec. 26.) [Careful details submitted for all unusual records.—ED.]—Ernest G. Baldwin, James Bates, John H. Buckalew, Richard D. Cole, Richard P. Dubois, Paul G. DuMont, Philip A. DuMont, Ira N. Gabrielson, Jack P. Hailman, R. R. Kerr, Richard L. Kleen, James E. Knudson, Thomas Lord, Seth H. Low, Seth T. Low, Stephen A. Nesbitt, L. W. Oring, John W. Richards, Chandler S. Robbins (compiler), Mrs. Gordon Schaum, Stephen W. Simon, Joe Spurry, Karl Stecher, Allen Stickley, Jr., John Terborgh, James Travis, Marylou Travis, Elmer G. Worthley, J. K. Wright.

160. St. Michaels, Md. (same area as last year, same habitat percentages).—Dec. 29; 5:30 a.m. to 5:30 p.m. Continuous rain; temp. 39° to 47°; wind NE, 5-20 m.p.h.; ground free, all water open. Twenty-four observers in 9 parties. Total party-hours, 66 (27 on foot, 32 by car, 7 by motorboat); total party-miles, 374 (41 on foot, 269 by car, 64 by motorboat). Common Loon, 1; **Horned Grebe,** 671; Pied-billed Grebe, 13; Great Blue Heron, 13; **Whistling Swan,** 6056; Canada Goose, 6227; Am. Brant, 18; Mallard, 86; Black Duck, 7102; Gadwall, 2; Am. Widgeon, 905; Pintail, 17; Redhead, 142; Canvas-back, 2072; scaup (sp.), 58; Am. Golden-eye, 1717; Buffle-head, 159; Old-squaw, 2536; **White-winged Scoter,** 3391; Surf Scoter, 25; Am. Scoter, 26; Ruddy Duck, 19; Am. Merganser, 3; Red-breasted Merganser, 7; Turkey Vulture, 110; Black Vulture, 2; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 1; Bald Eagle, 1; Marsh Hawk, 5; Sparrow Hawk, 7; Bob-white, 77; Am. Coot, 85; Killdeer, 6; Great Black-backed Gull, 23; Herring Gull, 560; Ring-billed Gull, 420; Mourning Dove, 18; Screech Owl, 2; Horned Owl, 6; Belted Kingfisher, 9; Yellow-shafted Flicker, 24; Red-bellied Woodpecker, 8; Yellow-bellied Sapsucker, 3; Downy Woodpecker, 16; Blue Jay, 67; Am. Crow, 2800; Fish Crow, 3; **Black-capped Chickadee,** 14; Carolina Chickadee, 114; Tufted Titmouse, 49; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 4; Brown-headed Nuthatch, 22; Brown Creeper, 2; **House Wren,** 1 (R.C., J.S.); Winter Wren, 1; Carolina Wren, 82; Mockingbird, 37; Am. Robin, 9; Hermit Thrush, 4; Eastern Bluebird, 82; Golden-crowned Kinglet, 3; Water Pipit, 2; Cedar Waxwing, 6; Loggerhead Shrike, 1; Common Starling, 542; Myrtle Warbler, 234; House Sparrow, 487; Eastern Meadowlark, 160; Red-winged Blackbird, 310; Purple Grackle, 3; Brown-headed Cowbird, 7; Cardinal, 247; Evening Grosbeak, 3; Pine Siskin, 5; Am. Goldfinch, 173; Eastern Towhee, 24; Savannah Sparrow, 9; Slate-colored Junco, 365; Field Sparrow, 60; White-throated Sparrow, 651; Swamp Sparrow, 4; Song Sparrow, 115. **Total,** 85 species; about 39,364 individuals. Low count in both species and individuals due to terrible weather conditions. (Seen in area Dec. 28: Saw-whet Owl, 2; Horned Lark, 8; Hooded Merganser, 2; Snow Goose, 2.)—Peter Bailey, Richard D. Cole, Howard Dean, Richard P. Dubois, Francis Dulin, Paul DuMont, A. J. Fletcher, Roberta Fletcher, George Haddaway, Paul Haddaway, Achsa Henderson, Edmund Henderson, Richard L. Kleen (compiler), Thomas Lord, Seth H. Low, Seth T. Low, Richard Nixdorf, Jan Reese, Chandler S. Robins, Gladys Schaum, Steve Simon, Allen Stickley, Joe Spurry, Elmer Worthley (St. Michaels Natural Science Club, Talbot County Bird Club, Maryland Ornithological Society).

161. **Southern Dorchester County, Md.** (Blackwater National Wildlife Refuge to Elliott Island; same area and habitats as in past 7 years).—Dec. 28; 5:30 a.m. to 5:30 p.m. Clear early, cloudy in p.m.; temp. 40° to 62°; wind calm in a.m., strong SE by late afternoon. Eighteen observers in 7 parties. Total party-hours, 65¼ (49½ on foot, 15½ by car, ¼ by plane); total party-miles, 173 (50 on foot, 99 by car, 24 by plane). Horned Grebe, 113; Pied-billed Grebe, 5; Great Blue Heron, 51; Black-crowned Night Heron, 5; Am. Bittern, 1; Whistling Swan, 9; Canada Goose, 12,770; Snow Goose, 21; Blue Goose, 11; Mallard, 3932; Black Duck, 1571; Gadwall, 316; Am. Widgeon, 60; Pintail, 404; Green-winged Teal, 606; Blue-winged Teal, 2; Wood Duck, 2; Redhead, 39; Canvas-back, 3085; Greater Scaup, 5; Lesser Scaup, 1176; Am. Golden-eye, 119; Bufflehead, 57; Old-squaw, 32; Surf Scoter, 22; Am. Scoter, 1; Ruddy Duck, 201; Hooded Merganser, 14; Am. Merganser, 91; Red-breasted Merganser, 28; Turkey Vulture, 180; Sharp-shinned Hawk, 4; Cooper's Hawk, 5; Red-tailed Hawk, 10; Red-shouldered Hawk, 8; Rough-legged Hawk, 5; Golden Eagle, 1; Bald Eagle, 13; Marsh Hawk, 57; **Peregrine Falcon,** 1; Pigeon Hawk, 1; Sparrow Hawk, 15; Bob-white, 12; King Rail, 5; Clapper Rail, 2; Virginia Rail, 27; Killdeer, 38; Am. Woodcock, 1; Wilson's Snipe, 16; Greater Yellow-legs, 4; Lesser Yellow-legs, 1; Red-backed Sandpiper, 177; Great Black-backed Gull, 5; Herring Gull, 430; Ring-billed Gull, 286; Mourning Dove, 55; Barn Owl, 1; **Screech Owl,** 2; **Horned Owl,** 25; Barred Owl, 2; Short-eared Owl, 4; Belted Kingfisher, 22; Yellow-shafted Flicker, 71; Pileated Woodpecker, 3; Red-bellied Woodpecker, 17; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 47; Horned Lark, 44; Blue Jay, 64; Am. Crow, 1508; **Fish Crow,** 3; **Black-capped Chickadee,** 7; Carolina Chickadee, 147; Tufted Titmouse, 43; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 1; Brown-headed Nuthatch, 152; Brown Creeper, 7; Winter Wren, 6; Carolina Wren, 77; Long-billed Marsh Wren, 26; **Short-billed Marsh Wren,** 70; Mockingbird, 19; Catbird, 4; Brown Thrasher, 20; Am. Robin, 134; Hermit Thrush, 41; Eastern Bluebird, 72; Golden-crowned Kinglet, 21; Ruby-crowned Kinglet, 1; Water Pipit, 1; Loggerhead Shrike, 9; Common Starling, 590; Myrtle Warbler, 1523; Palm Warbler, 3 (Western, 1); Common Yellowthroat, 1; House Sparrow, 231; Eastern Meadowlark, 633; Red-winged Blackbird, 5564; Rusty Blackbird, 30; Purple Grackle, 5; Brown-headed Cowbird, 212; Cardinal, 180; **Evening Grosbeak,** 1; Purple Finch, 1; Pine Siskin, 18; Am. Goldfinch, 221; Eastern Towhee, 94; Savannah Sparrow, 103; Sharp-tailed Sparrow, 1; Vesper Sparrow, 8; Slate-colored Junco, 274; Am. Tree Sparrow, 7; Chipping Sparrow, 1; Field Sparrow, 63; White-throated Sparrow, 500; Fox Sparrow, 2; Swamp Sparrow, 286; Song Sparrow, 262. **Total,** 120 species (2 additional subspecies); about 39,603 individuals.—James Bates, Paul G. DuMont, Philip A. DuMont, Ira N. Gabrielson, Jack P. Hailman, R. R. Kerr, James E. Knudson, Seth H. Low (compiler), Seth T. Low, Stephen A. Nesbitt, Lewis W. Oring, John W. Richards, Chandler S. Robbins, Stephen W. Simon, Allen Stickley, Jr., John Terborgh, James Travis, Marylou Travis.

162. **Triadelphia Reservoir (Montgomery and Howard Counties), Md.** (same area and habitat percentages as in previous 6 years, new Rocky Gorge reservoir partially flooded).—Dec. 26; 5:20 a.m. to 3:50 p.m. Clear; temp. 20° to 48°; wind calm; ground clear, surface of reservoirs 90% frozen. Twenty observers in 8 parties. Total party-hours, 59 (37 on foot, 22 by car); total party-miles, 281 (35 on foot, 246 by car). Great Blue Heron, 3; Canada Goose, 84; Mallard, 1800; Black Duck, 700; Am. Widgeon, 6; Pintail, 9; Green-winged Teal, 1; Shoveller, 1; Am. Golden-eye, 4; Hooded Merganser, 6; Am. Merganser, 35; Turkey Vulture, 197; Black Vulture, 18; Sharp-shinned Hawk, 2; Cooper's Hawk, 4; Red-tailed Hawk, 7; Red-shouldered Hawk, 8; Marsh Hawk, 2; Sparrow Hawk, 21; Bob-white, 24; Herring Gull, 1; Mourning Dove, 56; Screech Owl, 4; Horned Owl, 4; Barred Owl, 5; Belted Kingfisher, 4; Yellow-shafted Flicker, 21; Red-bellied Woodpecker, 29; Hairy Woodpecker, 7; Downy Woodpecker, 43; Eastern Phoebe, 2; Horned Lark, 2; Blue Jay, 252; Am. Crow, 329; **Black-capped Chickadee,** 86; Carolina Chickadee, 142; Tufted Titmouse, 35; White-breasted Nuthatch, 44; Red-breasted Nuthatch, 14; Brown Creeper, 1; Winter Wren, 3; **Bewick's Wren,** 1 (R.P.D., S.W.S.); Carolina Wren, 36; Mockingbird, 103; Am. Robin, 2; Hermit Thrush, 4; Eastern Bluebird, 89; Golden-crowned Kinglet, 5; Loggerhead Shrike, 9; Common Starling, 2653; Myrtle Warbler, 3; House Sparrow, 435; Eastern Meadowlark, 47; Red-winged Blackbird, 5; Rusty Blackbird, 1; Cardinal, 266; Evening Grosbeak, 9; Purple Finch, 7; Pine Siskin, 15; Am. Goldfinch, 198; Eastern Towhee, 1; Slate-colored Junco, 1139; Am. Tree Sparrow, 139; Field Sparrow, 157; White-crowned Sparrow, 8; White-throated Sparrow, 266; Swamp Sparrow, 9; Song Sparrow, 177; **Snow Bunting,** 45 (S.H.L., S.T.L., J.W.R., C.G.W.). **Total,** 69 species; about 9845 individuals.—C. E. Addy, W. D. Addy, Richard D. Cole, Richard P. Dubois, David H. Fales, Elizabeth H. Fales, John H. Fales, Seth H. Low (compiler), Seth T. Low, Mrs. G. C. Munro, Howard Munson, John W. Richards, Eleanor C. Robbins, Chandler S. Robbins, Mrs. Gordon Schaum, Stephen W. Simon, James Travis, Marylou Travis, Clark G. Webster, Elmer G. Worthley.

163. **Wicomico, Md.** (same area as in previous years, same habitat percentages as in 1948).—Jan. 2; 6 a.m. to 7 p.m. Cloudy in early a.m., then clear; temp. 45° to 65°; wind gusty, 0-35 m.p.h.; all water open, ground bare. Four observers in 3 parties. Total party-hours, 29 (25 on foot, 4 by car); total party-miles, 127 (26 on foot, 101 by car). Horned Grebe, 11; Pied-billed Grebe, 10; Great Blue Heron, 30; Whistling Swan, 128; Canada Goose, 79; Mallard, 14; Black Duck, 57; Am. Widgeon, 1256; Pintail, 24; Green-winged Teal, 1; Wood Duck, 1; Redhead, 124; Canvas-back, 358; Lesser Scaup, 6; Am. Golden-

eye, 4; Buffle-head, 42; Ruddy Duck, 40; Hooded Merganser, 2; Am. Merganser, 15; Red-breasted Merganser, 8; Turkey Vulture, 147; Black Vulture, 13; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 3; Bald Eagle, 9; Marsh Hawk, 15; Sparrow Hawk, 5; Am. Coot, 3434; Killdeer, 77; Wilson's Snipe, 47; Herring Gull, 35; Ring-billed Gull, 310; **Laughing Gull,** 3; Mourning Dove, 121; Horned Owl, 3; Short-eared Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 48; Pileated Woodpecker, 2; Red-bellied Woodpecker, 19; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 7; Downy Woodpecker, 23; Horned Lark, 7; Blue Jay, 68; Am. Crow, 182; **Black-capped Chickadee,** 2 (J.T.); Carolina Chickadee, 61; Tufted Titmouse, 21; White-breasted Nuthatch, 4; Brown Creeper, 2; Winter Wren, 7; Carolina Wren, 32; Long-billed Marsh Wren, 1; Mockingbird, 37; Catbird, 3; Brown Thrasher, 38; Am. Robin, 6; Hermit Thrush, 36; Eastern Bluebird, 44; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 1; Water Pipit, 41; Cedar Waxwing, 34; Loggerhead Shrike, 1; Common Starling, 1406; Myrtle Warbler, 293; House Sparrow, 361; Eastern Meadowlark, 410; Red-winged Blackbird, 1585; Rusty Blackbird, 10; Purple Grackle, 25; Brown-headed Cowbird, 304; Cardinal, 102; Purple Finch, 3; Pine Siskin, 15; Am. Goldfinch, 75; Eastern Towhee, 74; Savannah Sparrow, 13; Vesper Sparrow, 6; Slate-colored Junco, 166; Am. Tree Sparrow, 39; Chipping Sparrow, 1; Field Sparrow, 79; White-throated Sparrow, 380; Swamp Sparrow, 67; Song Sparrow, 115. **Total,** 90 species; about 12,709 individuals.—Jackson Abbott, Edwin G. Davis, Carl Dianda, John Terborgh (compiler).

164. Washington, D. C. (area same as in past 11 years; city and suburban 10%, deciduous woodland 35%, pine woods 10%, fields 12%, brush 3%, marsh 10%, water 20%).—Jan 1; 6 a.m. to 5 p.m. Mostly cloudy; temp. 33° to 51°; wind variable, 4 m.p.h.; no snow, open water. Fifty-six observers in 27 parties and 2 at feeding stations. Total party-hours, 184 (155 on foot, 21 by car, 8 by boat); total party-miles, 415 (146 on foot, 258 by car, 11 by boat). Pied-billed Grebe, 9; Great Blue Heron, 37; Am. Egret, 2; Black-crowned Night Heron, 7; Mallard, 185; Black Duck, 1068; Gadwall, 2; Am. Widgeon, 150; Pintail, 807; Green-winged Teal, 104; Shoveller, 20; Wood Duck, 4; Ring-necked Duck, 3; Canvas-back, 7; Greater Scaup, 4; Lesser Scaup, 48; Am. Golden-eye, 6; Buffle-head, 20; Ruddy Duck, 221; Am. Merganser, 146; Turkey Vulture, 137; Black Vulture, 22; Sharp-shinned Hawk, 7; Cooper's Hawk, 4; Red-tailed Hawk, 17; Red-shouldered Hawk, 20; Bald Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 15; Bob-white, 74; Am. Coot, 5; Killdeer, 211; Wilson's Snipe, 28; Herring Gull, 564; Ring-billed Gull, 2327; Laughing Gull, 8; Mourning Dove, 498; Screech Owl, 3; Horned Owl, 2; Barred Owl, 13; Belted Kingfisher, 27; Yellow-shafted Flicker, 109; Pileated Woodpecker, 2; Red-bellied Woodpecker, 108; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 9; Hairy Woodpecker, 31; Downy Woodpecker, 215; Eastern Phoebe, 5; Horned Lark, 2; Blue Jay, 368; Am. Crow, 1624; Fish Crow, 88; Black-capped Chickadee, 193; Carolina Chickadee, 963; Tufted Titmouse, 513; White-breasted Nuthatch, 213; Red-breasted Nuthatch, 121; Brown Creeper, 96; **House Wren,** 1 (K.S.); Winter Wren, 43; Carolina Wren, 272; Long-billed Marsh Wren, 6; Short-billed Marsh Wren, 1; Mockingbird, 291; Am. Robin, 51; Hermit Thrush, 35; Eastern Bluebird, 98; Golden-crowned Kinglet, 269; Ruby-crowned Kinglet, 6; Cedar Waxwing, 76; Loggerhead Shrike, 2; Common Starling, 54,165; Myrtle Warbler, 133; Palm Warbler, 1; Common Yellow-throat, 1; House Sparrow, 874; Eastern Meadowlark, 50; Red-winged Blackbird, 738; Rusty Blackbird, 10; Purple Grackle, 5; Brown-headed Cowbird, 5; Cardinal, 634; Purple Finch, 117; Pine Siskin, 88; Am. Goldfinch, 731; Eastern Towhee, 56; Savannah Sparrow, 10; Vesper Sparrow, 14; Slate-colored Junco, 2461; Am. Tree Sparrow, 307; Field Sparrow, 368; White-crowned Sparrow, 4; White-throated Sparrow, 1798; Fox Sparrow, 21; Swamp Sparrow, 114; Song Sparrow, 886. **Total,** 97 species; about 76,238 individuals.—J. M. Abbott, M. Alexander, E. Arnold, L. T. Berry, S. A. Briggs, G. Clark, E. G. Davis (compiler), W. DelGrande, C. Dianda, P. A. DuMont, P. G. DuMont, R. Farquhar, A. H. Fast, W. Fleischer, A. Fox, M. Gilbert, G. Golding, Mr. and Mrs. W. B. Grautoff, L. Griffin, J. Hailman, E. Hall, W. Hamilton, J. W. Hanes, N. R. Hansen, Mr. and Mrs. H. T. Henderson, A. Hummel, G. Hyatt, D. F. Keeney, R. R. Kerr, B. Major, C. N. Mason, K. Mason, J. Merrick, M. L. Morgan, Mr. and Mrs. M. S. Mulloy, H. Norment, S. Ogden, F. Over, Mr. and Mrs. H. N. Page, D. Pierce, W. Rosenberger, D. Ruch, R. W. Sommers, H. D. Stabler, K. Stecher, A. R. Stickley, H. A. Sutton, Dr. and Mrs. R. Tousey, J. Tousey, G. Treichel, H. Tucker, W. White, M. Wilson (Audubon Society of the District of Columbia).

165. Abingdon, Va. (same area as in previous years; farmland and pastures 40%, deciduous woodland 30%, mixed pine and deciduous woodland 15%, marsh and creek bottoms 10%, lake 5%).—Dec. 25; 6:45 a.m. to 5:30 p.m. Clear; temp. 14° to 57°; wind NW, 0-5 m.p.h.; ponds and lakes frozen, no snow. Three observers in 3 parties. Total party-hours, 22 (20 on foot, 2 by car); total party-miles, 49 (24 on foot, 25 by car). Pied-billed Grebe, 3; Great Blue Heron, 2; Mallard, 60; Black Duck, 19; **Wood Duck,** 7; Hooded Merganser, 13; Turkey Vulture, 25; Black Vulture, 4; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 8; Bob-white, 2; Sora, 1; Killdeer, 4; Wilson's Snipe, 4; Mourning Dove, 54; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Pileated Woodpecker, 1; Red-bellied Woodpecker, 4; Downy Woodpecker, 7; Eastern Phoebe, 1; Horned Lark, 13; Blue Jay, 41; Am. Crow, 225; **Black-capped Chickadee,** 1; Carolina Chickadee, 100; undifferentiated chickadees, 30; Tufted Titmouse, 9; White-breasted Nuthatch, 6; Winter Wren, 1; Carolina Wren, 17; Mockingbird, 40; **Hermit Thrush,** 1; Eastern Bluebird, 16;

Golden-crowned Kinglet, 12; Cedar Waxwing, 5; Loggerhead Shrike, 2; Common Starling, 400; House Sparrow, 90; Eastern Meadowlark, 107; Red-winged Blackbird, 41; **Brewer's Blackbird,** 1 (distinct purplish head reflections noted by observer familiar with species, second state record—S.R.); Brown-headed Cowbird, 40; Cardinal, 76; **Evening Grosbeak,** 20; **Pine Siskin,** 13; Am. Goldfinch, 200; Eastern Towhee, 1; Savannah Sparrow, 8; **Leconte's Sparrow,** 2 (one collected, new addition to state list—S.R.); Slate-colored Junco, 226; Field Sparrow, 114; White-crowned Sparrow, 36; White-throated Sparrow, 20; Swamp Sparrow, 60; Song Sparrow, 128. **Total,** 57 species; about 2329 individuals. (Seen in area Dec. 24: Yellow-bellied Sapsucker, Brown Creeper, Am. Robin.)—Richard L. Diener, Carl F. Fleenor, Stephen M. Russell (compiler).

166. **Back Bay National Wildlife Refuge, Va.** (same area as in previous years; refuge and much of mainland of Princess Anne County; open farmland 20%, pine woodland 10%, deciduous woodland 20%, ocean beach 5%, marshes and inland bays 45%). —Dec. 27; 5 a.m. to 5 p.m. Clear; temp. 38° to 62°; wind SE, 5 m.p.h.; ground bare, water open. Seventeen observers in 4 parties. Total party-hours, 39 (34 on foot, 4 by car, 1 by motorboat); total party-miles, 235 (13 on foot, 207 by car, 15 by motorboat). Common Loon, 4; Red-throated Loon, 6; Horned Grebe, 15; Pied-billed Grebe, 15; Gannet, 4; Double-crested Cormorant, 14; Great Blue Heron, 10; Am. Egret, 4; Little Blue Heron, 1; **Yellow-crowned Night Heron,** 1; Whistling Swan, 4137; Canada Goose, 15,100; Snow Goose, 952; Mallard, 18; Black Duck, 700; Gadwall, 2; Am. Widgeon, 40,150; Pintail, 1128; Green-winged Teal, 2; Blue-winged Teal, 1; Shoveller, 4; Redhead, 5002; Ring-necked Duck, 701; Canvas-back, 4000; Lesser Scaup, 1500; Buffle-head, 25; Old-squaw, 1; White-winged Scoter, 2; Surf Scoter, 37; Am. Scoter, 2; Ruddy Duck, 5216; Hooded Merganser, 4; Red-breasted Merganser, 2; Turkey Vulture, 52; Black Vulture, 71; Cooper's Hawk, 4; Red-tailed Hawk, 1; Red-shouldered Hawk, 21; Bald Eagle, 5; Marsh Hawk, 36; Peregrine Falcon, 2; **Pigeon Hawk,** 3; Sparrow Hawk, 34; Bob-white, 8; King Rail, 4; **Florida Gallinule,** 1 (F.C.R., W.F.R.); Am. Coot, 20,150; Killdeer, 157; Black-bellied Plover, 4; Wilson's Snipe, 22; **Greater Yellow-legs,** 5 (L.E.B.); Sanderling, 47; **Great Black-backed Gull,** 44; Herring Gull, 722; Ring-billed Gull, 163; Bonaparte's Gull, 27; Forster's Tern, 5; Mourning Dove, 171; Barn Owl, 1; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 94; Pileated Woodpecker, 3; Red-bellied Woodpecker, 12; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 21; Eastern Phoebe, 6; Horned Lark, 9; Am. Crow, 127; Fish Crow, 60; Carolina Chickadee, 31; Tufted Titmouse, 16; White-breasted Nuthatch, 5; Brown-headed Nuthatch, 22; Brown Creeper, 3; **House Wren,** 1 (F.C.R., W.F.R.); Winter Wren, 8; Carolina Wren, 79; Long-billed Marsh Wren, 2; Short-billed Marsh Wren, 10; Mockingbird, 41; Catbird, 43; Brown Thrasher, 10; Am. Robin, 96; Hermit Thrush, 9; Eastern Bluebird, 110; Golden-crowned Kinglet, 22; Ruby-crowned Kinglet, 3; Water Pipit, 709; Loggerhead Shrike, 6; Common Starling, 822; **Orange-crowned Warbler,** 3; Myrtle Warbler, 2000; Pine Warbler, 6; Common Yellow-throat, 1; House Sparrow, 138; Eastern Meadowlark, 338; Red-winged Blackbird, 417,550; Purple Grackle, 91,543; Brown-headed Cowbird, 61,158; Cardinal, 57; Pine Siskin, 1; Am. Goldfinch, 270; Eastern Towhee, 38; Ipswich Sparrow, 2; Savannah Sparrow, 257; Slate-colored Junco, 138; Am. Tree Sparrow, 2; Chipping Sparrow, 28; Field Sparrow, 51; White-throated Sparrow, 570; Fox Sparrow, 11; Swamp Sparrow, 492; Song Sparrow, 357; Snow Bunting, 78. **Total,** 116 species; about 677,995 individuals. —W. G. Akers, Mr. and Mrs. S. E. Breneiser, Mrs. L. E. Burford, M. T. Griffin, Gisela Grimm, H. Hespenheide, J. E. Perkins, R. H. Peake, Jr., F. C. Richardson, W. F. Rountrey, M. E. Stephens, P. W. Sykes (compiler), Elizabeth Thomas, E. Webster, Jr., J. R. Withrow, Janie Whitehill (Cape Henry Bird Club).

167. **Blacksburg, Va.** (same area as last year with addition of Roanoke River valley from Bennett's Mill to about 1 mi. below Ellett; pasture and plowed land 20%, town and suburbs 10%, virgin White Oak woodlots 15%, mixed pine-oak woods 20%, river and creek bottom 35%).—Dec. 28; 6:30 a.m. to 5:30 p.m. Cloudy; temp. 38° to 55°; wind 0-10 m.p.h.; several light showers, ground bare, ponds unfrozen. Fourteen observers in 8 parties. Total party-hours, 52½ (48½ on foot, 4 by car); total party-miles, 112½ (63½ on foot, 49 by car). Horned Grebe, 1; Pied-billed Grebe, 2; Mallard, 72; Black Duck, 44; Gadwall, 5; Am. Widgeon, 125; Pintail, 8; Green-winged Teal, 1; Ring-necked Duck, 53; Canvas-back, 16; Lesser Scaup, 228; Am. Golden-eye, 37; Buffle-head, 90; Ruddy Duck, 3; Hooded Merganser, 8; Turkey Vulture, 13; Black Vulture, 6; Sharp-shinned Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 2; Sparrow Hawk, 6; Ruffed Grouse, 5; Bob-white, 16 (1 covey); Wilson's Snipe, 5; Mourning Dove, 77; Screech Owl, 1; **Short-eared Owl,** 1 (R.J.W.); Belted Kingfisher, 8; Yellow-shafted Flicker, 22; Pileated Woodpecker, 7; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 8; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 12; Downy Woodpecker, 45; Eastern Phoebe, 9; Horned Lark, 152; Blue Jay, 193; Am. Crow, 1086; Black-capped Chickadee, 7; Carolina Chickadee, 175; Tufted Titmouse, 82; White-breasted Nuthatch, 45; Red-breasted Nuthatch, 18; Brown Creeper, 4; Winter Wren, 7; Carolina Wren, 45; Mockingbird, 43; Am. Robin, 4; Hermit Thrush, 6; Eastern Bluebird, 17; Golden-crowned Kinglet, 3; Loggerhead Shrike, 4; Common Starling, 1773; Myrtle Warbler, 7; House Sparrow, 343; Eastern Meadowlark, 15; Red-winged Blackbird, 8; Rusty Blackbird, 20; Purple Grackle, 18; Brown-headed Cowbird, 15; Cardinal, 151; Purple Finch, 10; Pine Siskin, 5; Am. Goldfinch, 172; Eastern Towhee, 2; Slate-colored Junco, 265; Am. Tree Sparrow, 120; Field Sparrow, 111;

White-crowned Sparrow, 83; White-throated Sparrow, 41; Swamp Sparrow, 2; Song Sparrow, 208. **Total,** 73 species; about 6224 individuals. (Three birds believed to have been Brewer's Blackbirds were carefully studied at close range by C.O.H.,Jr. Although the identification seems good, the record is being listed as hypothetical as there are no previous Virginia records.) [Brewer's Blackbird reported as seen on Abingdon, Va. census and compiler mentions previous state record.—ED.]—A. L. Dean, Mrs. E. A. Smyth, Jr., Allan Smyth, G. M. Shear, C. W. Roane, M. G. Hale, H. S. Mosby, C. H. Hanson, John Cooper, C. O. Handley, Sr., C. O. Handley, Jr., J. M. Handley, J. W. Murray, R. J. Watson (compiler).

168. Brooke, Va. (triangular area with Brooke, Widewater, mouth of Potomac Creek at the 3 apices; waterfront 25%, marsh 15%, fields 13%, hedgerows 13%, slash 5%, mixed forest edge 22%, deciduous woods 5%, pine woods 2%).—Dec. 26; 7:15 a.m. to 5 p.m. Clear; temp. 16° to 39°; no wind; ground bare, Potomac River open, tidal creeks nearly covered with fresh ice in a.m. which lingered throughout day in sheltered coves. Eight observers in 5 parties. Total party-hours, 36 (34 on foot, 2 by car); total party-miles, 27 (20 on foot, 7 by car). Great Blue Heron, 12; **Am. Bittern,** 1; Whistling Swan, 375; Canada Goose, 65; Mallard, 110; Black Duck, 350; Gadwall, 3; Am. Widgeon, 40; Redhead, 1; Ring-necked Duck, 60; Canvas-back, 1200; Lesser Scaup, 1; Am. Golden-eye, 5; Buffle-head, 40; **Ruddy Duck,** 7000; Hooded Merganser, 2; Am. Merganser, 1600; Red-breasted Merganser, 110; Turkey Vulture, 21; Cooper's Hawk, 2; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Bald Eagle, 7; Marsh Hawk, 4; **Pigeon Hawk,** 1 (T.B.N.); Sparrow Hawk, 4; Am. Coot, 2; Killdeer, 14; Wilson's Snipe, 1; Herring Gull, 200; Ring-billed Gull, 300; Mourning Dove, 30; Barred Owl, 1; Belted Kingfisher, 8; Yellow-shafted Flicker, 35; Pileated Woodpecker, 1; Red-bellied Woodpecker, 5; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 8; Downy Woodpecker, 22; Eastern Phoebe, 4; Blue Jay, 90; Am. Crow, 180; Fish Crow, 3; Carolina Chickadee, 45; Tufted Titmouse, 21; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 7; Brown Creeper, 3; Winter Wren, 4; Carolina Wren, 30; Mockingbird, 33; Brown Thrasher, 1; Am. Robin, 175; Hermit Thrush, 16; Eastern Bluebird, 105; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 6; Cedar Waxwing, 190; Loggerhead Shrike, 2; Common Starling, 100; Myrtle Warbler, 90; House Sparrow, 50; Eastern Meadowlark, 65; Red-winged Blackbird, 200; Cardinal, 70; **Evening Grosbeak,** 60; Purple Finch, 11; Pine Siskin, 3; Am. Goldfinch, 150; Eastern Towhee, 39; Savannah Sparrow, 2; Slate-colored Junco, 320; Am. Tree Sparrow, 80; Field Sparrow, 150; White-throated Sparrow, 260; Swamp Sparrow, 40; Song Sparrow, 160. **Total,** 78 species; about 14,430 individuals.—C. A. Anderson, A. A. Baker, Luna B. Leopold, Edwin T. McKnight (compiler), Thomas B. Nolan, W. W. Rubey, Robert L. Smith, Robert E. Wallace.

169. Charlottesville, Va. (same area as in previous years; farmland 25%, riverbottom 25%, lakes and ponds 25%, deciduous woods 20%, pine woods 5%).—Dec. 26; 7 a.m. to 5 p.m. Fair; temp. 26° to 51°; wind S, 0-10 m.p.h.; ponds partly frozen. Six observers in 4 parties. Total party-hours, 26 (23 on foot, 3 by car); total party-miles, 112 (29 on foot, 83 by car). Great Blue Heron, 1; Mallard, 91; Black Duck, 27; Am. Widgeon, 1; Wood Duck, 4; **Greater Scaup,** 2 (W.F.M.); Turkey Vulture, 43; Black Vulture, 20; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Bob-white, 7; Killdeer, 1; Mourning Dove, 95; Belted Kingfisher, 1; Yellow-shafted Flicker, 6; Pileated Woodpecker, 6; Red-bellied Woodpecker, 11; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 23; Eastern Phoebe, 2; Horned Lark, 63; Blue Jay, 104; Am. Crow, 330; Fish Crow, 1; Carolina Chickadee, 149; Tufted Titmouse, 46; White-breasted Nuthatch, 21; Red-breasted Nuthatch, 16; Brown Creeper, 4; Winter Wren, 7; Carolina Wren, 16; Mockingbird, 33; Am. Robin, 2; Hermit Thrush, 2; Eastern Bluebird, 36; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 4; Cedar Waxwing, 14; Loggerhead Shrike, 10; Common Starling, 204; Myrtle Warbler, 20; House Sparrow, 32; Eastern Meadowlark, 8; Cardinal, 132; Purple Finch, 35; Pine Siskin, 36; Am. Goldfinch, 82; Eastern Towhee, 4; Slate-colored Junco, 333; Am. Tree Sparrow, 17; Field Sparrow, 33; White-crowned Sparrow, 16; White-throated Sparrow, 87; Swamp Sparrow, 4; Song Sparrow, 86. **Total,** 56 species about 2343 individuals.—Mrs. C. O. Gregory, David P. Gregory, Mrs. R. K. Jones, Kenneth Lawless, William F. Minor, Charles E. Stevens, Jr. (compiler).

170. Chincoteague National Wildlife Refuge, Va. (Assateague Island south of Maryland line, Chincoteague Island and Causeway, Wattsville, Horntown, and part of western shore of Chincoteague Bay; open farmland 9%, pine and mixed woodland 25%, scrub pine and bayberry 15%, brackish marshes and impoundments 15%, salt marshes and bay shore 15%, dunes 5%, mud and sand flats 6%, ocean beach 10%).—Dec. 29; 7 a.m. to 6:30 p.m. Overcast; temp. 53° to 56°; wind S, 1-6 m.p.h.; ground bare, water open. Eight observers in 4 parties. Total party-hours, 35 (31 on foot, 3 by car, 1 by boat); total party-miles, 124 (50 on foot, 70 by car, 4 by boat). Common Loon, 1; Horned Grebe, 52; Pied-billed Grebe, 7; Gannet, 2; Great Blue Heron, 53; Am. Egret, 2; **Louisiana Heron,** 1; Black-crowned Night Heron, 3; Canada Goose, 138; Am. Brant, 3200; Snow Goose, 457; Blue Goose, 2; Mallard, 320; Black Duck, 2850; Gadwall, 770; Am. Widgeon, 206; Pintail, 1195; Green-winged Teal, 960; Shoveller, 605; Am. Golden-eye, 16; Buffle-head, 1; Old-squaw, 3; White-winged Scoter, 2; Surf Scoter, 278; Am. Scoter, 2; Ruddy Duck, 2; Hooded Merganser, 49; Red-breasted Merganser, 3; Turkey Vulture, 2; Sharp-shinned Hawk, 3; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Marsh Hawk, 9; Peregrine Falcon, 3; Sparrow Hawk, 3; Bob-white, 48; Clapper Rail, 2; Virginia Rail, 2; Am. Coot, 17; Killdeer, 9; Black-bellied Plover, 118; Wilson's Snipe, 17; Greater Yellow-legs,

35; Lesser Yellow-legs, 2; Red-backed Sandpiper, 633; **Dowitcher,** 12; Semipalmated Sandpiper, 20; Sanderling, 154; Great Black-backed Gull, 11; Herring Gull, 745; Ring-billed Gull, 330; Mourning Dove, 10; Screech Owl, 1; Horned Owl, 5; Barred Owl, 1; Belted Kingfisher, 13; Yellow-shafted Flicker, 68; Hairy Woodpecker, 7; Downy Woodpecker, 16; Horned Lark, 68; **Tree Swallow,** 350; Am. Crow, 4500; Fish Crow, 100; **Black-capped Chickadee,** 2; Carolina Chickadee, 12; Tufted Titmouse, 4; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 5; Brown Creeper, 2; Winter Wren, 5; Carolina Wren, 20; Short-billed Marsh Wren, 1; Mockingbird, 1; Catbird, 2; Am. Robin, 24; Hermit Thrush, 13; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 1; Water Pipit, 65; Common Starling, 295; Orange-crowned Warbler, 1; Myrtle Warbler, 2650; House Sparrow, 68; Eastern Meadowlark, 131; Red-winged Blackbird, 620; Rusty Blackbird, 2; Boat-tailed Grackle, 96; Purple Grackle, 1; Brown-headed Cowbird, 20; Cardinal, 41; **Common Redpoll,** 9 (R.R.K., E.O.M.); Pine Siskin, 15; Am. Goldfinch, 66; Eastern Towhee, 40; Savannah Sparrow, 13; Sharp-tailed Sparrow, 3; Slate-colored Junco, 15; Am. Tree Sparrow, 1; Field Sparrow, 29; White-throated Sparrow, 684; Fox Sparrow, 4; Swamp Sparrow, 148; Song Sparrow, 145; Snow Bunting, 28. **Total,** 104 species; about 23,783 individuals.—R. R. Kerr, J. E. Knudson, E. O. Mellinger, W. F. Minor, F. R. Scott (compiler), C. C. Steirly, C. E. Stevens, Jr., J. W. Terborgh.

171. **Cobb Island, Va.** (entire length of Cobb Island, Cobb Bay, and Sand Shoal Channel west nearly to Oyster; open bay 30%, sand dunes 30%, ocean beach 25%, salt marsh 10%, mud flats 5%).—Dec. 28; 7 a.m. to 5 p.m. Mainly clear, but heavy fog from 11:30 to 3:30; temp. 44° to 56°; wind S, 5-15 m.p.h.; ground bare, water open. Two observers in 1 and 2 parties. Total party-hours, 11 (8 on foot, 3 by boat); total party-miles, 33 (16 on foot, 17 by boat). Common Loon, 19; Red-throated Loon, 1; Horned Grebe, 45; Pied-billed Grebe, 12; Great Blue Heron, 3; **Louisiana Heron,** 2; Am. Brant, 15; Snow Goose, 11; Black Duck, 50; Buffle-head, 6; Old-squaw, 28; White-winged Scoter, 8; Surf Scoter, 408; Am. Scoter, 1; Red-breasted Merganser, 13; Marsh Hawk, 1; **Ring-necked Pheasant,** 1 (flushed from brushy edge between salt marsh and dune grass; pheasants stocked on parts of mainland, but not, so far as is known, on this island); **Am. Oyster-catcher,** 19; **Piping Plover,** 2; **Ringed Plover,** 6; Black-bellied Plover, 295; Red-backed Sandpiper, 2200; Semipalmated Sandpiper, 1; Western Sandpiper, 60; Sanderling, 80; Great Black-backed Gull, 3; Herring Gull, 390; Ring-billed Gull, 457; Am. Crow, 3; Common Starling, 70; Eastern Meadowlark, 45; Ipswich Sparrow, 1; Savannah Sparrow, 19; Song Sparrow, 5. **Total,** 34 species; about 4280 individuals.—F. R. Scott (compiler), C. C. Steirly.

172. **Fort Belvoir, Va.** (7½-mile radius centering on Fort Belvoir, including Mt. Vernon, Lebanon, Mason's Neck, Occoquan, Woodbridge, Potomac River from Little Hunting Creek to Occoquan Creek; tidal water 30%, deciduous woods 25%, pine woods 15%, pasture 10%, open fields 10%, town suburbs 5%, cattail marsh 5%).—Dec. 26; 5:30 a.m. to 3:30 p.m. Clear; temp. 17° to 58°; wind WNW, 2-5 m.p.h.; ground bare, marshes and inlets frozen, river ice free. Twenty-four observers in 6 parties. Total party-hours, 185 (127 on foot, 58 by car); total party-miles, 428 (103 on foot, 325 by car). Great Blue Heron, 7; Canada Goose, 188; Mallard, 75; Black Duck, 350; Ruddy Duck, 77; Am. Merganser, 42; Turkey Vulture, 55; Sharp-shinned Hawk, 2; Cooper's Hawk, 4; Red-tailed Hawk, 15; Red-shouldered Hawk, 10; Bald Eagle, 10; Marsh Hawk, 1; Sparrow Hawk, 2; Bob-white, 67; **Turkey,** 1 (heard; tracks of 6±—J.M.A.); Killdeer, 52; Herring Gull, 26; Ring-billed Gull, 165; Mourning Dove, 24; Horned Owl, 5; Barred Owl, 5; Belted Kingfisher, 12; Yellow-shafted Flicker, 66; Pileated Woodpecker, 10; Red-bellied Woodpecker, 51; Hairy Woodpecker, 10; Downy Woodpecker, 68; Horned Lark, 16; Blue Jay, 186; Am. Crow, 375; Fish Crow, 8; Black-capped Chickadee, 17; Carolina Chickadee, 286; Tufted Titmouse, 111; White-breasted Nuthatch, 34; Red-breasted Nuthatch, 15; Brown Creeper, 11; Winter Wren, 4; Carolina Wren, 100; Long-billed Marsh Wren, 1; Mockingbird, 121; Am. Robin, 8; Hermit Thrush, 9; Eastern Bluebird, 83; Golden-crowned Kinglet, 46; Ruby-crowned Kinglet, 2; Cedar Waxwing, 124; Loggerhead Shrike, 1; Common Starling, 3438; Myrtle Warbler, 66; House Sparrow, 171; Eastern Meadowlark, 81; Red-winged Blackbird, 185; Rusty Blackbird, 79; Purple Grackle, 4; Brown-headed Cowbird, 6; Cardinal, 173; Purple Finch, 32; Pine Siskin, 69; Am. Goldfinch, 336; Eastern Towhee, 8; Savannah Sparrow, 11; Vesper Sparrow, 1; Slate-colored Junco, 955; Am. Tree Sparrow, 76; Field Sparrow, 144; White-crowned Sparrow, 2; White-throated Sparrow, 475; Fox Sparrow, 1; Swamp Sparrow, 55; Song Sparrow, 188. **Total,** 72 species; about 9514 individuals—J. M. Abbott (compiler), Elting Arnold, Paul Bartsch, Ed Bierley, S. A. Briggs, Mr. and Mrs. Paul Connor, Jim Eike, J. Gibson, M. Gilbert, G. Golding, Mr. and Mrs. I. C. Hoover, C. R. Hough, Sr. and Jr., Enoch Johnson, D. Pierce, B. Rosenburger, George Sigel, Harriet Sutton, K. Trever, C. Wall, Mr. and Mrs. Paul Watson.

173. **Harrisonburg, Va.** (Waterman Wood to Tide Spring, distance of 12 miles; oak-hickory-juniper-pine woodlot 60%, oak-hickory woodlot 10%, small village bordering college campus 10%, juniper-pine wasteland 5%, pasture, field and fence rows 15%).—Dec. 27; 8:10 a.m. to 3 p.m. Clear; temp. 34° to 57°; wind S, 9-15 m.p.h.; heavy frost, small pond in oak-hickory woodlot covered with ice. Three observers in 1 party. Total party-hours, 7 (5 on foot, 2 by car); total party-miles, 36 (18 on foot, 18 by car). Turkey Vulture, 21; Sparrow Hawk, 1; Bob-white, 14; Killdeer, 1; Mourning Dove, 36; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 2; Red-headed Woodpecker,

1; Downy Woodpecker, 9; Blue Jay, 6; Am. Crow, 57; Carolina Chickadee, 62; Tufted Titmouse, 17; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 3; Carolina Wren, 4; Mockingbird, 15; Am. Robin, 8; Eastern Bluebird, 1; Common Starling, 64; Myrtle Warbler, 3; House Sparrow, 97; Cardinal, 30; Am. Goldfinch, 3; Slate-colored Junco, 93; Am. Tree Sparrow, 13; White-throated Sparrow, 8; Song Sparrow, 2. **Total,** 29 species; 584 individuals.—D. Ralph Hostetter (compiler), Daniel B. Suter, Richard Weaver.

174. Hopewell, Va. (Presquile National Wildlife Refuge, Curles Neck, Richmond Battlefield Park, Shirley, Meadowville, Hopewell, Jordan Point; a realignment of Richmond count held from 1944 to 1952; open farmland 30%, brushy fields 10%, marshes and river shore 10%, deciduous wooded swamp 10%, woodland 40%).—Jan. 2; 6:15 a.m. to 5:45 p.m. Clear; temp. 50° to 67°; wind SW to NW, 5-20 m.p.h.; ground bare, water open. Four observers in 3 parties. Total party-hours, 32 (23½ on foot, 3½ by car, 5 by boat); total party-miles, 155 (23 on foot, 120 by car, 12 by boat). Pied-billed Grebe, 1; Great Blue Heron, 33; Canada Goose, 8000; Snow Goose, 4; **Blue Goose,** 34; Mallard, 4500; Black Duck, 3340; Gadwall, 3; Am. Widgeon, 1; Pintail, 35; Green-winged Teal, 12; Shoveller, 7; **Wood Duck,** 300 (Mr. and Mrs. J. L. D.); Ring-necked Duck, 14; Lesser Scaup, 31; Ruddy Duck, 96; Am. Merganser, 7; Turkey Vulture, 81; Black Vulture, 18; Red-tailed Hawk, 6; Red-shouldered Hawk, 7; Bald Eagle, 5; Marsh Hawk, 5; Sparrow Hawk, 7; Bob-white, 41; Turkey, 1; Killdeer, 58; Am. Woodcock, 1; Wilson's Snipe, 13; Herring Gull, 4; Ring-billed Gull, 1250; Mourning Dove, 211; Horned Owl, 3; Barred Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 42; Pileated Woodpecker, 12; Red-bellied Woodpecker, 25; Red-headed Woodpecker, 9; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 2; Downy Woodpecker, 26; Eastern Phoebe, 5; Horned Lark, 5; Blue Jay, 15; Am. Crow, 244; Carolina Chickadee, 57; Tufted Titmouse, 49; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 6; Brown Creeper, 7; Winter Wren, 10; Carolina Wren, 65; **Long-billed Marsh Wren,** 1; Mockingbird, 36; Catbird, 1; Brown Thrasher, 1; Am. Robin, 97; Hermit Thrush, 6; Eastern Bluebird, 79; Golden-crowned Kinglet, 24; Ruby-crowned Kinglet, 14; Water Pipit, 3; Cedar Waxwing, 84; Loggerhead Shrike, 11; Common Starling, 600; Myrtle Warbler, 57; House Sparrow, 135; Eastern Meadowlark, 198; Red-winged Blackbird, 47; Brown-headed Cowbird, 850; Cardinal, 103; **Evening Grosbeak,** 15 (C.E.S.); Purple Finch, 72; Pine Siskin, 13; Am. Goldfinch, 118; Eastern Towhee, 36; Savannah Sparrow, 29; Slate-colored Junco, 360; Am. Tree Sparrow, 4; Field Sparrow, 114; White-throated Sparrow, 564; Fox Sparrow, 1; Swamp Sparrow, 48; Song Sparrow, 88. **Total,** 86 species; about 22,532 individuals.—Mr. and Mrs. J. L. DeLime, F. R. Scott (compiler), C. E. Stevens, Jr.

175. Lexington, Va. (same as last year; pasture 20%, plow land 5%, oak woods 25%, cedar 20%, scrub 25%, town 5%).—Dec. 27; 7 a.m. to 5 p.m. (1 hour out at noon). Clear; temp. 32° to 55°; no wind; streams open, ponds mostly open. Sixteen observers in 3 parties. Total party-hours, 27 (24 on foot, 3 by car); total party-miles, 119 (39 on foot, 80 by car). Horned Grebe, 1; Pied-billed Grebe, 3; Great Blue Heron, 2; Black Duck, 1; Turkey Vulture, 81; Black Vulture, 52; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 4; Sparrow Hawk, 1; Bob-white, 14; Killdeer, 11; Wilson's Snipe, 10; Mourning Dove, 96; Belted Kingfisher, 3; Yellow-shafted Flicker, 9; Pileated Woodpecker, 16; Red-bellied Woodpecker, 12; Yellow-bellied Sapsucker, 4; Downy Woodpecker, 18; Eastern Phoebe, 9; Horned Lark, 7; Blue Jay, 38; Am. Crow, 401; Black-capped Chickadee, 48; Carolina Chickadee, 73; Tufted Titmouse, 19; White-breasted Nuthatch, 30; Brown Creeper, 2; Carolina Wren, 32; Mockingbird, 33; Am. Robin, 18; Hermit Thrush, 5; Eastern Bluebird, 41; Golden-crowned Kinglet, 2; Loggerhead Shrike, 9; Common Starling, 1222; Myrtle Warbler, 6; House Sparrow, 241; Eastern Meadowlark, 2; Red-winged Blackbird, 1; Rusty Blackbird, 35; Cardinal, 172; Purple Finch, 13; Am. Goldfinch, 57; Eastern Towhee, 1; Slate-colored Junco, 234; Am. Tree Sparrow, 40; Field Sparrow, 26; White-crowned Sparrow, 25; White-throated Sparrow, 43; Song Sparrow, 29. **Total,** 52 species; about 3254 individuals.—C. W. Barritt, R. P. Carroll, Ann Carroll, Robert Carroll, Jr., Mr. and Mrs. Gordon Echols, Nancy Echols, Gordon Foster, Oscar Gupton, Mr. and Mrs. J. J. Murray, James Murray, Jr., Charles Ritchey, Harry Quick, Hallam Walker, Joshua Womeldorf.

176. Little Creek, Va. (7½-mile radius centering 1½ miles NE of Kempsville, including Lynnhaven Inlet, Little Creek, eastern portion of Norfolk City, Stumpy Lake; open farmland 25%, pine woodland 10%, deciduous woodland 50%, salt marsh, sand beach, bay, rivers 10%, city suburbs 5%).—Dec. 28; 5:30 a.m. to 5 p.m. Partly cloudy; temp. 46° to 67°; Wind S, 10-16 m.p.h.; ground bare, water open. Six observers in 2 parties. Total party-hours, 16½ (12½ on foot, 3 by car, 1 by motorboat); total party-miles, 137 (7 on foot, 128 by car, 2 by motorboat). Common Loon, 2; Red-throated Loon, 1; Horned Grebe, 10; Pied-billed Grebe, 18; Double-crested Cormorant, 3; Great Blue Heron, 13; Canada Goose, 4; Mallard, 15; Black Duck, 79; Green-winged Teal, 8; Wood Duck, 5; Ring-necked Duck, 2; Canvas-back, 1; Greater Scaup, 235; Lesser Scaup, 3; Buffle-head, 4; Ruddy Duck, 78; Hooded Merganser, 56; Am. Merganser, 2; Red-breasted Merganser, 11; Turkey Vulture, 13; Black Vulture, 10; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 6; Bald Eagle, 4; Marsh Hawk, 1; Sparrow Hawk, 15; Bob-white, 10; Clapper Rail, 1; Killdeer, 106; Wilson's Snipe, 6; Sanderling, 1; Great Black-backed Gull, 6; Herring Gull, 750; Ring-billed Gull, 676; Bonaparte's Gull, 50; Forster's Tern, 18; Mourning Dove, 11; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 17; Pileated Woodpecker, 2; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 3; Hairy Woodpocker, 2; Downy Woodpecker, 6; East-

ern Phoebe, 1; Blue Jay, 6; Am. Crow, 59; Fish Crow, 18; Carolina Chickadee, 13; Tufted Titmouse, 9; Brown-headed Nuthatch, 5; Brown Creeper, 3; Winter Wren, 3; Carolina Wren, 22; Mockingbird, 15; Catbird, 4; Brown Thrasher, 6; Am. Robin, 80; Hermit Thrush, 2; Eastern Bluebird, 15; Golden-crowned Kinglet, 71; Ruby-crowned Kinglet, 4; Water Pipit, 10; Loggerhead Shrike, 2; Common Starling, 1100; Orange-crowned Warbler, 2; Myrtle Warbler, 675; Pine Warbler, 3; House Sparrow, 270; Eastern Meadowlark, 122; Red-winged Blackbird, 2500; Purple Grackle, 244; Brown-headed Cowbird, 650; Cardinal, 13; Am. Goldfinch, 45; Eastern Towhee, 22; Savannah Sparrow, 12; Slate-colored Junco, 125; Chipping Sparrow, 10; Field Sparrow, 12; White-throated Sparrow, 112; Fox Sparrow, 8; **Lincoln's Sparrow,** 1 (R.H.P.) [no details—Ed.]; Swamp Sparrow, 129; Song Sparrow, 90. **Total,** 89 species; about 8772 individuals. (Seen in area Dec. 29: Purple Sandpiper, 4; (absence of Gannets and sea ducks due to strong offshore wind.)—C. Barefield, B. Bennett, Mrs. L. E. Burford, R. H. Peake, Jr., P. W. Sykes, Jr. (compiler), J. R. Withrow.

177. Lynchburg, Va. (same area as in previous years; stream bottom 35%, deciduous woods 5%, pine woods 6%, pine-oak woods 24%, farmlands 24%, swamp 3%, lake front 3%).—Dec. 31; 7 a.m. to 4 p.m. A few cirrus clouds; temp. 32° to 46°; wind N to SW, 4-5 m.p.h.; ground bare, streams open, James River in slight flood stage. Nine observers in 3 parties. Total party-hours, 63 (50 on foot, 13 by car); total party-miles, 384 (41 on foot, 343 by car). Great Blue Heron, 1; Mallard, 10; Black Duck, 6; Buffle-head, 3; Red-breasted Merganser, 1; Turkey Vulture, 10; Black Vulture, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Marsh Hawk, 1; Mourning Dove, 16; Belted Kingfisher, 1; Yellow-shafted Flicker, 20; Pileated Woodpecker, 2; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 7; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 27; Eastern Phoebe, 5; Horned Lark, 4; Blue Jay, 79; Am. Crow, 153; Carolina Chickadee, 64; Tufted Titmouse, 49; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 21; Brown Creeper, 7; Winter Wren, 2; Carolina Wren, 19; Mockingbird, 17; Am. Robin, 33; Hermit Thrush, 1; Eastern Bluebird, 33; Golden-crowned Kinglet, 1; Loggerhead Shrike, 1; Common Starling, 384; Myrtle Warbler, 17; House Sparrow, 20; Eastern Meadowlark, 4; Purple Grackle, 700; Cardinal 62; Purple Finch, 19; Pine Siskin, 2; Am. Goldfinch, 59; Eastern Towhee, 7; Savannah Sparrow, 5; Slate-colored Junco, 181; Am. Tree Sparrow, 12; White-throated Sparrow, 58; Fox Sparrow, 1; Swamp Sparrow, 2; Song Sparrow, 50. **Total,** 53 species; about 2206 individuals.—Alan B. Brinkley, Larry L. Farmer, David R. Freer, Jane E. Freer, Ruskin S. Freer (compiler), Robt. H. Giles, Jr., Gertrude Prior, M. B. Tillotson, John Withrow.

178. Mt. Rogers, Va. (same area as previous years with additional coverage of eastern approaches to Mt. Rogers: First Peak, Second Peak, Third Peak, Stone Mountain and Pine Mountain; elevation range 4400 to 5719 ft. (highest point in Virginia); deciduous forest 40%, grassy fields 38%, spruce-fir forest 22%).—Dec. 26; 7:45 a.m. to 5:30 p.m. Clear; temp. 26° to 59°; wind SE, 0-5 m.p.h.; 12-in. snow in Elk Garden Gap, 28-in. crusted snow on summit, little ice on streams. Six observers in 3 parties. Total party-hours, 27; total party-miles, 30 (all on foot). Ruffed Grouse, 4; Pileated Woodpecker, 2; Hairy Woodpecker, 9; Downy Woodpecker, 14; Horned Lark, 7; Blue Jay, 1; Common Raven, 6; Am. Crow, 20; Black-capped Chickadee, 1; Carolina Chickadee, 17; Tufted Titmouse, 13; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 3; Brown Creeper, 2; Am. Robin, 12; Eastern Bluebird, 3; Golden-crowned Kinglet, 2; pipit, 1 (sp.—identified in flight by call as Sprague's; no state record—R.D.); Cedar Waxwing, 5; **Evening Grosbeak,** 27; Pine Siskin, 10; Am. Goldfinch, 7; Red Crossbill, 1; Slate-colored Junco, 19. **Total,** 24 species; 188 individuals.—Fred W. Behrend, Richard L. Diener, Douglas A. Patterson, Stephen M. Russell (compiler), A. Randolf Shields, Edwin O. Willis.

179. Newport News, Va. (7½-mile radius bounded by Grandview, Boulevard, James River, Grafton; woodland 30%, open fields 30%, fresh-water ponds 10%, waterfront 30%).—Jan. 2; 7 a.m. to 3 p.m. Clear; temp. 55° to 64°; wind NW to N, 0-20 m.p.h. Seven observers in 4 parties. Total party-hours, 32 (22 on foot, 10 by car); total party-miles, 201 (37 on foot, 164 by car). Red-throated Loon, 2; Horned Grebe, 63; Pied-billed Grebe, 12; Great Blue Heron, 8; Mallard, 24; Black Duck, 40; Gadwall, 100; Am. Widgeon, 538; Canvas-back, 53; Lesser Scaup, 16; Am. Golden-eye, 46; Buffle-head, 47; White-winged Scoter, 1; Surf Scoter, 39; Am. Scoter, 5; Ruddy Duck, 14; Hooded Merganser, 14; Red-breasted Merganser, 12; Turkey Vulture, 44; Black Vulture, 1; Red-tailed Hawk, 1; **Rough-legged Hawk,** 1; Bald Eagle, 10; Marsh Hawk, 2; Pigeon Hawk, 2; Sparrow Hawk, 15; Bob-white, 5; Killdeer, 16; Wilson's Snipe, 1; Greater Yellow-legs, 2; Great Black-backed Gull, 1; Herring Gull, 993; Ring-billed Gull, 82; Bonaparte's Gull, 112; Forster's Tern, 1; Common Tern, 7 [no details—Ed.]; Royal Tern, 1; Mourning Dove, 2; Belted Kingfisher, 11; Yellow-shafted Flicker, 13; Pileated Woodpecker, 2; Red-bellied Woodpecker, 15; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 22; **Tree Swallow,** 5 (M.E.H., N.A.P.); Eastern Phoebe, 2; Blue Jay, 1; Am. Crow, 184; Fish Crow, 10; Carolina Chickadee, 98; Tufted Titmouse, 66; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 2; Brown-headed Nuthatch, 1; Brown Creeper, 4; Carolina Wren, 57; Mockingbird, 31; Brown Thrasher, 5; Am. Robin, 10; Hermit Thrush, 1; Eastern Bluebird, 56; Golden-crowned Kinglet, 36; Ruby-crowned Kinglet, 7; Water Pipit, 25; Cedar Waxwing, 1; Common Starling, 703; Myrtle Warbler, 250; Pine Warbler, 3; House Sparrow, 382; Eastern Meadowlark, 163; Red-winged Blackbird, 120; Purple Grackle, 2; Brown-headed

Cowbird, 15; Cardinal, 45; Purple Finch, 12; Pine Siskin, 54; Am. Goldfinch, 156; Eastern Towhee, 47; Savannah Sparrow, 25; Slate-colored Junco, 378; Field Sparrow, 124; White-throated Sparrow, 355; Fox Sparrow, 15; Swamp Sparrow, 15; Song Sparrow, 21. **Total,** 87 species; about 5898 individuals. (Seen at feeding station week of Dec. 26: Baltimore Oriole, 2). [A Yellow-billed Cuckoo was reported without comment, and not even underlined as unusual. Without substantiating details and apparently without any previous winter record north of Florida, it seems best to leave this report on the hypothetical list for the time being—Ed.]—Mrs. B. Blair, C. W. Hacker (compiler), M. E. Hathaway, S. C. Mitchell, N. A. Pope, Mr. and Mrs. W. P. Smith (Hampton Roads Bird Club).

180. Norfolk County, Va. (7½-mile radius centering approximately 6½ miles NE of Wallaceton, including eastern edge of Dismal Swamp, western part of Northwest River, Great Bridge, Butts Station, Fentress, Deep Creek; open farmland 30%, wooded swamp 24%, mixed woodland 30%, deciduous woodland 5%, pine woodland 10%, marshes 1%).—Dec. 30; 7 a.m. to 5 p.m. Clear; temp. 47° to 69°; wind SW, 6-22 m.p.h.; ground bare. Three observers in 1 party. Total party-hours, 10 (7 on foot, 3 by car); total party-miles, 99 (5 on foot, 94 by car). Turkey Vulture, 16; Black Vulture, 27; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 6; Bald Eagle, 1; Marsh Hawk, 2; **Pigeon Hawk,** 1; Sparrow Hawk, 14; Bob-white, 1; Killdeer, 4; Wilson's Snipe, 5; Herring Gull, 16; Ring-billed Gull, 35; Mourning Dove, 6; Belted Kingfisher, 1; Yellow-shafted Flicker, 13; Pileated Woodpecker, 3; Red-bellied Woodpecker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 6; Eastern Phoebe, 2; Blue Jay, 5; Am. Crow, 25; Fish Crow, 2; Carolina Chickadee, 7; Tufted Titmouse, 3; White-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 25; Mockingbird, 11; Catbird, 1; Brown Thrasher, 3; Am. Robin, 69; Hermit Thrush, 2; Eastern Bluebird, 27; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 8; Water Pipit, 130; Loggerhead Shrike, 1; Common Starling, 450; Myrtle Warbler, 85; House Sparrow, 34; Eastern Meadowlark, 19; **Red-winged Blackbird,** 2,000,000 (entering roost in Dismal Swamp); Purple Grackle, 129; **Brown-headed Cowbird,** 1650; Cardinal, 12; Am. Goldfinch, 84; Eastern Towhee, 17; Savannah Sparrow, 7; Slate-colored Junco, 82; Chipping Sparrow, 3; Field Sparrow, 35; White-throated Sparrow, 218; Fox Sparrow, 3; Swamp Sparrow, 60; Song Sparrow, 45. **Total,** 60 species; about 2,003,425 individuals. (In area Dec. 24: Little Blue Heron, Orange-crowned Warblers, dead Least Bittern, Barred Owl.)—M. T. Griffin, R. H. Peake, Jr., P. W. Sykes, Jr. (compiler).

181. Shenandoah National Park, Va. (same area as last 4 years; 7½-mile radius centering on Skyland, altitude 1000-3680 ft.).—Dec. 30; 7:30 a.m. to 2:30 p.m. Clear; temp 40° to 50°; wind SE to N, 1-8 m.p.h.; ground bare. Two observers in 2 parties. Total party-hours, 5 (3 on foot, 2 by car); total party-miles, 62½ (2½ on foot, 60 by car). Turkey Vulture, 17; Red-tailed Hawk, 2; Yellow-shafted Flicker, 2; Blue Jay, 16; Common Raven, 2; Am. Crow, 30; Carolina Chickadee, 10; Tufted Titmouse, 5; Carolina Wren, 2; Mockingbird, 1; Hermit Thrush, 1; Eastern Bluebird, 1; Common Starling, 118; Myrtle Warbler, 1; Cardinal, 6; Purple Finch, 6; Am. Goldfinch, 15; Slate-colored Junco, 16; White-throated Sparrow, 10; Song Sparrow, 1. **Total,** 20 species; 262 individuals.—Howard H. Chapman, Paul G. Favour, Jr. (compiler).

182. Toano, Va. (same area as last year, also Warren's Pond, Jolly's Pond, marshes of Chickahominy on Nettles Creek; salt marsh 5%, fresh marsh 30%, fresh ponds 15%, deciduous woods 40%, open farmland 10%). Dec. 27; 7 a.m. to 4 p.m. Clear; temp. 32° to 50°, wind SW, 5 m.p.h.; ground bare, ponds iced. Five observers in 2 parties. Total party-hours 15 (10 on foot, 5 in car); total party-miles 50 (15 on foot, 35 by car). Common Loon, 1; Pied-billed Grebe, 1; Great Blue Heron, 4; **Am. Egret,** 10; Mallard, 1; Black Duck, 36; Wood Duck, 5; Ring-necked Duck, 48; Canvas-back, 59; Am. Golden-eye, 8; Buffle-head, 6; Ruddy Duck, 225; Turkey Vulture, 27; Red-shouldered Hawk, 1; Bald Eagle, 3; Marsh Hawk, 1; Sparrow Hawk, 4; Bob-white, 3; King Rail, 1; Virginia Rail, 3; **Sora,** 5; Killdeer, 3; Wilson's Snipe, 1; Herring Gull, 1; Mourning Dove, 9; Barred Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 11; Pileated Woodpecker, 6; Red-bellied Woodpecker, 7; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 2; Downy Woodpecker, 8; Eastern Phoebe, 4; Blue Jay, 8; Am. Crow, 50; Carolina Chickadee, 14; Tufted Titmouse, 15; Winter Wren, 10 (2 singing); Carolina Wren, 13; Long-billed Marsh Wren, 1; Mockingbird, 30; Catbird, 1; Am. Robin, 6; Hermit Thrush, 1; Eastern Bluebird, 20; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 1; Water Pipit, 75; Cedar Waxwing, 50; Loggerhead Shrike, 2; Common Starling, 100; Myrtle Warbler, 220; House Sparrow, 50; Eastern Meadowlark, 90; Red-winged Blackbird, 1450; Purple Grackle, 25; Cardinal, 25; Pine Siskin, 37; Am. Goldfinch, 65; Eastern Towhee, 35; Savannah Sparrow, 35; Sharp-tailed Sparrow, 1; Slate-colored Junco, 400; Field Sparrow, 40; White-throated Sparrow, 585; Swamp Sparrow, 16; Song Sparrow, 29. Total, 68 species; about 4025 individuals.—Mrs. Frank Claiborne, Geraldine Claiborne, Katherine Claiborne, John Grey (compiler), Bruce McCartney.

183. Warren (Albemarle Co.), Va. (same area as last year minus Hardware River; open farmland 50%, riverbottom 25%, deciduous woods 15%, pine woods 5%, pond 5%).—Dec. 27; 7 a.m. to 6 p.m. Fair; temp. 28° to 60°; wind SW, 0-10 m.p.h.; pond partly frozen. Three observers in 2-3 parties. Total party-hours, 26 (22 on foot, 4 by car); total party-miles, 147 (27 on foot, 120 by car). Great Blue Heron, 1; Mallard, 170; Black Duck, 17; Am. Widgeon, 1; Green-winged Teal, 1; Am. Golden-eye,

2; Buffle-head, 1; Am. Merganser, 3; Turkey Vulture, 65; Black Vulture, 29; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Sparrow Hawk, 2; Bob-white, 12; Killdeer, 8; Mourning Dove, 308; Belted Kingfisher, 1; Yellow-shafted Flicker, 14; Pileated Woodpecker, 2; Red-bellied Woodpecker, 16; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 23; Eastern Phoebe, 8; Horned Lark, 22; Blue Jay, 29; Am. Crow, 381; Carolina Chickadee, 79; Tufted Titmouse, 28; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 3; Brown Creeper, 1; Winter Wren, 1; **Bewick's Wren,** 1 (first winter record for county—K.L.); Carolina Wren, 20; **Long-billed Marsh Wren,** 1 (first winter record for county, present since fall—W.F.M., C.E.S.); Mockingbird, 26; Am. Robin, 29; Hermit Thrush, 5; Eastern Bluebird, 76; Water Pipit, 2; Cedar Waxwing, 60; Loggerhead Shrike, 9; Common Starling, 218; Myrtle Warbler, 32; House Sparrow, 21; Eastern Meadowlark, 65; Red-winged Blackbird, 3; Brown-headed Cowbird, 37; Cardinal, 116; Evening Grosbeak, 4; Purple Finch, 19; Pine Siskin, 35; Am. Goldfinch, 129; Slate-colored Junco, 261; Am. Tree Sparrow, 3; Field Sparrow, 112; White-crowned Sparrow, 1; White-throated Sparrow, 113; Swamp Sparrow, 8; Song Sparrow, 71. **Total,** 63 species; about 2738 individuals.—Kenneth Lawless, William F. Minor, Charles E. Stevens, Jr.

184. Chapel Hill, N. C. (wooded shores and waters of University Lake, running streams, extensive open fields, abandoned golf course, trees lining roadways, low or swampy land, farm wood lots).—Jan. 2; 5:30 a.m. to 4 p.m. Mostly clear; temp. 41° to 65°; wind NW, 12 m.p.h. Eighteen observers in 6 parties. Total party-hours, 42½ (39½ on foot, 3 by car); total party-miles, 92 (33 on foot, 59 by car). Pied-billed Grebe, 2; Great Blue Heron, 7; Mallard, 16; Black Duck, 19; Ring-necked Duck, 28; Hooded Merganser, 2; Am. Merganser, 8; Turkey Vulture, 12; Black Vulture, 4; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Bob-white, 20; Am. Coot, 38; Killdeer, 60; Mourning Dove, 8; Horned Owl, 2; Barred Owl, 2; Belted Kingfisher, 4; Yellow-shafted Flicker, 23; Pileated Woodpecker, 2; Red-bellied Woodpecker, 28; Red-headed Woodpecker, 7; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 5; Downy Woodpecker, 18; Eastern Phoebe, 3; Horned Lark, 2; Blue Jay, 29; Am. Crow, 75; Carolina Chickadee, 38; Tufted Titmouse, 20; White-breasted Nuthatch, 20; Red-breasted Nuthatch, 8; Brown-headed Nuthatch, 13; Brown Creeper, 4; Carolina Wren, 30; Mockingbird, 27; Brown Thrasher, 6; Am. Robin, 18; Hermit Thrush, 4; **Olive-backed Thrush,** 1 (several observers); Eastern Bluebird, 82; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 1; Water Pipit, 2; Cedar Waxwing, 35; Loggerhead Shrike, 4; Common Starling, 240; Myrtle Warbler, 45; Pine Warbler, 65; House Sparrow, 17; Eastern Meadowlark, 57; Red-winged Blackbird, 10; **Baltimore Oriole,** 1; Cardinal, 55; Purple Finch, 67; Pine Siskin, 49; Am. Goldfinch, 48; Eastern Towhee, 65; Savannah Sparrow, 1; Slate-colored Junco, 302; Chipping Sparrow, 1; Field Sparrow, 48; White-throated Sparrow, 316; Fox Sparrow, 11; Swamp Sparrow, 1; Song Sparrow, 77. **Total,** 68 species; about 2223 individuals. [An Olive-sided Flycatcher was reported without satisfactory details.—Ed.]—George O. Doaks, Dr. and Mrs. Floyd Hedmister, Mr. and Mrs. R. P. Kaighn (compiler), W. L. McAtee, Mrs. C. A. Northend, Thomas Odum, Mark Orr, Mrs. W. D. Patterson, Dr. and Mrs. R. B. Sharpe, Mr. and Mrs. Matt Thompson, Mr. and Mrs. Harold Walters, John J. Wright, Frances Yocum.

185. Charlotte, N. C. (area same as in past 12 years).—Dec. 27; 7 a.m. to 6 p.m. Cloudy, clearing slightly in p.m.; temp. 37° to 55°; wind NW, light. Five observers in 3 parties. Total party-hours, 20 (6 on foot, 14 by car); total party-miles, 112 (6 on foot, 106 by car). Pied-billed Grebe, 9; Great Blue Heron, 1; Mallard, 8; Gadwall, 5; Ring-necked Duck, 15; Turkey Vulture, 1; Black Vulture, 4; Red-shouldered Hawk, 1; Am. Coot, 4; Killdeer, 6; Mourning Dove, 90; Belted Kingfisher, 2; Yellow-shafted Flicker, 16; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 2; Eastern Phoebe, 1; Blue Jay, 34; Am. Crow, 17; Carolina Chickadee, 17; Tufted Titmouse, 5; White-breasted Nuthatch, 3; Brown-headed Nuthatch, 4; Carolina Wren, 4; Mockingbird, 13; Brown Thrasher, 4; Am. Robin, 51; Hermit Thrush, 1; Eastern Bluebird, 32; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 7; Cedar Waxwing, 153; Loggerhead Shrike, 5; Common Starling, 105; Myrtle Warbler, 6; Pine Warbler, 5; House Sparrow, 37; Eastern Meadowlark, 30; Red-winged Blackbird, 35; Cardinal, 38; Purple Finch, 63; Pine Siskin, 23; Am. Goldfinch, 39; Eastern Towhee, 10; Slate-colored Junco, 59; Field Sparrow, 56; White-throated Sparrow, 53; Fox Sparrow, 4; Song Sparrow, 17. **Total,** 51 species; about 1115 individuals. (Seen in area Dec. 26: Am. Woodcock, Horned Lark, Catbird, **Evening Grosbeak.**)—B. R. Chamberlain (compiler), Mrs. B. R. Chamberlain, Norman Chamberlain, Mrs. E. O. Clarkson, Mrs. George C. Potter (Mecklenburg Audubon Club).

186. Greensboro, N. C. (7½-mile radius, centering ½ mile southwest of transmitter of WBIG, same area as in 1953; deciduous and pine woods 25%, thickets 15%, fresh-water lakes and ponds 25%, open fields 15%, marsh and wooded swamps 10%, lawns and parks 10%).—Jan. 1; 5:30 a.m. to 6 p.m. Cloudy, intermittent light rain or drizzle and some fog after 9:15 a.m.; temp. 40° to 51°; wind S, 0-6 m.p.h. Thirty-seven observers in 15 parties; total party-hours, 93 (26 by car, 67 on foot); total party-miles, 274 (225 by car, 49 on foot). Horned Grebe, 1; Pied-billed Grebe, 16; Great Blue Heron, 4; Green Heron, 1; Mallard, 360; Black Duck, 9; Gadwall, 7; Am. Widgeon, 12; Pintail, 5; Ring-necked Duck, 220; Canvas-back, 35; Lesser Scaup, 6; Buffle-head, 4; Ruddy Duck, 6; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 6; Marsh Hawk, 1; Sparrow Hawk, 8; Bob-white, 22; Am. Coot, 1; Killdeer, 38; Wilson's Snipe, 7;

Mourning Dove, 203; Screech Owl, 1; Barred Owl, 2; Belted Kingfisher, 7; Yellow-shafted Flicker, 88; Red-bellied Woodpecker, 28; Red-headed Woodpecker, 21; Yellow-bellied Sapsucker, 31; Hairy Woodpecker, 10; Downy Woodpecker, 72; Eastern Phoebe, 18; Horned Lark, 115; Blue Jay, 191; Am. Crow, 276; Carolina Chickadee, 246; Tufted Titmouse, 131; White-breasted Nuthatch, 51; Red-breasted Nuthatch, 14; Brown-headed Nuthatch, 17; Brown Creeper, 13; Winter Wren, 4; Carolina Wren, 113; Mockingbird, 101; Brown Thrasher, 8; Am. Robin, 445; Hermit Thrush, 12; Eastern Bluebird, 215; Golden-crowned Kinglet, 77; Ruby-crowned Kinglet, 51; Cedar Waxwing, 84; Loggerhead Shrike, 14; Common Starling, 2458; Myrtle Warbler, 58; Pine Warbler, 32; House Sparrow, 315; Eastern Meadowlark, 69; Red-winged Blackbird, 46; Rusty Blackbird, 3; Purple Grackle, 2; Brown-headed Cowbird, 20; Cardinal, 221; Purple Finch, 102; Pine Siskin, 1070; Am. Goldfinch, 613; Eastern Towhee, 110; Savannah Sparrow, 11; Slate-colored Junco, 1590; Chipping Sparrow, 3; Field Sparrow, 455; White-throated Sparrow, 1175; Fox Sparrow, 21; Swamp Sparrow, 70; Song Sparrow, 350. **Total,** 77 species; about 12,225 individuals.—Dr. and Mrs. A. D. Shaftesbury, Etta Schiffman, S. Anne Locke, Evelyn Cole, Mrs. Margaret Y. Wall, Inez Coldwell, Ethel McNairy, Ida Mitchell, Mrs. Albert King, Ethel Troy, Geo. A. Smith, James W. Furr, James R. Mattooks, David Neave, Thomas E. Street (compiler), Larry A. Crawford, Jr., Dr. and Mrs. F. H. McNutt, Mrs. R. D. Douglas, Mr. and Mrs. G. W. Daniels, Mrs. Edith L. Settan, Mrs. Charles Swart, Sidney Holmes, Mamie Gray, Dr. and Mrs. Wesley Taylor, Dr. Hollis J. Rogers, Mrs. W. F. Smyre, Mrs. Robert E. McCoy, Mrs. W. C. Carr, John Carr, Mr. and Mrs. Geo. W. Perrett, Mrs. R. H. Weisner, Mrs. F. H. Craft.

187. New Holland, N. C. (same area as 1940 and subsequent counts; Mattamuskeet Refuge and adjacent woods and fields; marsh 30%, open water 40%, fields and thickets 20%, pine and cypress woods 10%).—Jan. 1; 8 a.m. to 5 p.m. Overcast; temp. 40° to 62°; wind SW, 10 m.p.h.; ground bare. One observer. Total hours, 9 (4 on foot, 5 by car); total miles, 38 (3 on foot, 35 by car). Horned Grebe, 26; Double-crested Cormorant, 1; Great Blue Heron, 18; Am. Egret, 20; Black-crowned Night Heron, 1; Am. Bittern, 4; Whistling Swan, 1500; Canada Goose, 25,000; Snow Goose, 12; Mallard, 1000; Black Duck, 2000; Gadwall, 6; Am. Widgeon, 200; Pintail, 10,000; Green-winged Teal, 200; Shoveller, 4; Wood Duck, 8; Redhead, 10; Ring-necked Duck, 25; Canvas-back, 500; Lesser Scaup, 2000; Buffle-head, 16; Ruddy Duck, 5000; Hooded Merganser, 12; Red-breasted Merganser, 4; Turkey Vulture, 20; Black Vulture, 4; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Bald Eagle, 14; Marsh Hawk, 8; Sparrow Hawk, 17; Bob-white, 7; King Rail, 1; Sora, 2; Am. Coot, 5000; Killdeer, 4; Black-bellied Plover, 3; Am. Woodcock, 2; Wilson's Snipe, 2; Greater Yellow-legs, 5; Herring Gull, 4; Ring-billed Gull, 50; Bonaparte's Gull, 3; Mourning Dove, 4; Belted Kingfisher, 4; Yellow-shafted Flicker, 8; Pileated Woodpecker, 2; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 4; Eastern Phoebe, 4; Tree Swallow, 45; Am. Crow, 200; Black-capped Chickadee, 10; Carolina Chickadee, 10; Tufted Titmouse, 2; Winter Wren, 4; Carolina Wren, 9; Short-billed Marsh Wren, 1; Mockingbird, 8; Catbird, 5; Brown Thrasher, 4; Am. Robin, 100; Eastern Bluebird, 6; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 2; Cedar Waxwing, 243; Common Starling, 550; Myrtle Warbler, 4500; Common Yellow-throat, 1; House Sparrow, 100; Eastern Meadowlark, 6; Red-winged Blackbird, 10,000; Purple Grackle, 200; Brown-headed Cowbird, 40; Cardinal, 10; Purple Finch, 2; Am. Goldfinch, 20; Eastern Towhee, 6; Slate-colored Junco, 18; Field Sparrow, 4; White-throated Sparrow, 18; Fox Sparrow, 4; Swamp Sparrow, 6; Song Sparrow, 10. **Total,** 89 species; about 68,895 individuals.—Willie G. Cahoon.

188. New London (Stanly County), N.C. (7½ mile radius, center 2 miles northwest of Badin, including High Rock Lake, Yadkin River, Badin Lake, Morrow Mountain State Park, Albemarle City Reservoir, Albemarle, New London, Badin; mixed deciduous woodland 25%, open fields and farmland 27%, fresh-water pond and lake shores 25%, lakes and rivers 15%, marsh 3%, pine woods 2%, town suburbs 3%).— Dec. 31; 5:30 a.m. to 5:30 p.m. Clear, overcast in afternoon; temp. 34° to 58°; wind SW, 5-10 m.p.h.; frost, slight mist on water in early part of day. Nineteen observers in 5 parties. Total party-hours, 39 (23 on foot, 15 by car, 1 by boat); total party-miles, 219 (27 on foot, 188 by car, 4 by boat). Pied-billed Grebe, 3; Great Blue Heron, 5; Canada Goose, 52; Mallard, 21; Black Duck, 25; Ring-necked Duck, 1; Turkey Vulture, 10; Black Vulture, 5; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Bald Eagle, 1; Marsh Hawk, 3; Sparrow Hawk, 3; Bob-white, 15; Turkey, 6 (D.T.); Killdeer, 29; Wilson's Snipe, 2; Herring Gull, 4; Ring-billed Gull, 38; Mourning Dove 22; Screech Owl, 2; Barred Owl, 1; Belted Kingfisher, 9; Yellow-shafted Flicker, 12; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 10; Hairy Woodpecker, 10; Downy Woodpecker, 11; Eastern Phoebe, 3; Horned Lark, 2; Blue Jay, 39; Am. Crow, 27; Carolina Chickadee, 35; Tufted Titmouse, 21; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 4; Brown-headed Nuthatch, 1; Brown Creeper, 2; Winter Wren, 3; Carolina Wren, 29; Short-billed Marsh Wren, 5; Mockingbird, 35; Brown Thrasher, 8; Am. Robin, 500; Hermit Thrush, 11; Eastern Bluebird, 55; Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 10; Water Pipit, 50; Cedar Waxwing, 45; Loggerhead Shrike, 10; Common Starling, 100; Myrtle Warbler, 7; Pine Warbler, 6; House Sparrow, 75; Eastern Meadowlark, 100; Red-winged Blackbird, 150; Purple Grackle, 2; Cardinal, 50; Purple Finch, 8; Pine Siskin, 65; Am. Goldfinch, 30; Eastern Towhee, 37; Savannah Sparrow, 2; Vesper Sparrow, 3; Slate-colored Junco, 300; Chipping Sparrow, 3; Field Sparrow, 38;

White-crowned Sparrow, 2; White-throated Sparrow, 350; Fox Sparrow, 5; Swamp Sparrow, 1; Song Sparrow, 250. **Total,** 76 species; about 2810 individuals.—John Trott (compiler), Mr. and Mrs. L. A. Price, Mrs. Ed. Pennington, Mr. and Mrs. J. Barrett Crook, Tommy Shaver, Edwin Wayne Smith, Susan Greene, Anne Whitlock, Mrs. Mazel Lyke, Tom Ellis, David Taylor, Gail Mahathey, Barbara Hatley, M. M. Haithcock, P. E. Book, Douglas Miller, John Renger, Jr. (Stanly County Bird Club).

189. North Wilkesboro, N. C. (portions of Reddies and Yadkin River Valleys not exceeding 3 miles from center of area; open fields 50%, town streets 33%, mixed woods 17%).—Dec. 28, 9 a.m. to 5 p.m. (one hour out for lunch); temp. 48° to 57°; wind S, 2 m.p.h.; overcast with light intermittent rain. Two observers together. Total party-hours, 7 (6 on foot, 1 by car); total party-miles, 15 (6 on foot, 9 by car). Mourning Dove, 52; Barred Owl, 2; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 2; Downy Woodpecker, 4; Eastern Phoebe, 3; Blue Jay, 11; Am. Crow, 25; Carolina Chickadee, 25; Carolina Wren, 9; Mockingbird, 11; Am. Robin, 580; Hermit Thrush, 1; Eastern Bluebird, 17; Golden-crowned Kinglet, 3; Cedar Waxwing, 122; Loggerhead Shrike, 2; Common Starling, 18; Myrtle Warbler, 9; House Sparrow, 46; Eastern Meadowlark, 3; Cardinal, 17; Purple Finch, 18; Am. Goldfinch, 15; Eastern Towhee, 21; Savannah Sparrow, 1; Slate-colored Junco, 56; Field Sparrow, 29; White-crowned Sparrow, 16; White-throated Sparrow, 76; Fox Sparrow, 8; Song Sparrow, 37. **Total,** 32 species; about 1242 individuals. (Seen in area Dec. 25: Red-tailed Hawk, Bob-white, 70; Dec. 27: Pileated Woodpecker, Winter Wren; Dec. 28: Ruby-crowned Kinglet. Absence of Tufted Titmouse very unusual, but absent during many walks in woods during December.)—Wendell P. Smith (compiler), Manuel Fowler.

190. Raleigh, N. C. (practically same area as in previous counts; lakes and small ponds 25%, mixed pine and deciduous woodland 40%, deciduous woodland 20%, open fields 15%).—Dec. 27; 7:30 a.m. to 5:30 p.m. Cloudy all day, calm; temp. 40° to 65°; ground bare, water open. Thirteen observers in seven parties. Total party-hours 31 (27 on foot, 4 by car); total party-miles, 57 (27 on foot, 30 by car). Horned Grebe, 1; Pied-billed Grebe, 9; Great Blue Heron, 2; Mallard, 83; Black Duck, 50; Gadwall, 2; Am. Widgeon, 4; Green-winged Teal, 2; Ring-necked Duck, 75; Canvas-back, 5; Buffle-head, 2; Ruddy Duck, 10; Hooded Merganser, 17; Turkey Vulture, 3; Black Vulture, 6; Cooper's Hawk, 3; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 10; Bob-white, 12; Killdeer, 14; Mourning Dove, 37; Belted Kingfisher, 6; Yellow-shafted Flicker, 26; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 18; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 7; Eastern Phoebe, 2; Blue Jay, 97; Am. Crow, 6; Carolina Chickadee, 12; Tufted Titmouse, 36; White-breasted Nuthatch, 4; Brown-headed Nuthatch, 6; Brown Creeper, 1; Winter Wren, 2; Carolina Wren, 36; Mockingbird, 37; Brown Thrasher, 9; Am. Robin, 4; Hermit Thrush, 6; Eastern Bluebird, 17; Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 13; Water Pipit, 20; Cedar Waxwing, 15; Loggerhead Shrike, 4; Common Starling, 2000+; Myrtle Warbler, 8; Pine Warbler, 2; House Sparrow, 303; Eastern Meadowlark, 70; Cardinal, 33; Purple Finch, 3; Am. Goldfinch, 40; Eastern Towhee, 48; Savannah Sparrow, 6; Vesper Sparrow, 3; Slate-colored Junco, 174; Field Sparrow, 127; White-throated Sparrow, 250; Swamp Sparrow, 23; Song Sparrow, 283. **Total,** 66 species; about 4136 individuals.—D. L. Wray (compiler), Philip Davis, Mr. and Mrs. E. W. Winkler and Johnny, Robert Overing, Mrs. C. H. Green, J. F. Greene, William, Cathey and Billy Hamnett, Mrs. D. L. Wray, John Wray.

191. Todd, N. C. (7½-mile radius centering near Todd P. O., along Ashe-Watauga County line, including terrain along S. Fork of New River and Bald Mt. [alt. 2800 to 3500 ft.]; pasture 60%, plowed land 5%, deciduous farm woodlots 20%, rhododendron thicket 10%, White Pine-Hemlock forest 5%).—Jan. 2; 7:30 a.m. to 4:30 p.m. Clear; temp. 44° to 47°; wind NW to SE, 30 m.p.h.; snow drifts on Bald Mountain; at lower altitudes ground unfrozen, no ice. Six observers in 2 parties. Total party-hours, 44 (24 on foot, 20 by car and jeep); total party-miles, 38 (13 on foot, 25 by car and jeep). Turkey Vulture, 1; Bob-white, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1 (heard); Downy Woodpecker, 3; Eastern Phoebe, 3; Blue Jay, 4; Am. Crow, 53; Carolina Chickadee, 8; Tufted Titmouse, 8; White-breasted Nuthatch, 4; Carolina Wren, 4; Eastern Bluebird, 6; Common Starling, 18; House Sparrow, 27; Eastern Meadowlark, 1; Cardinal, 11; Am. Goldfinch, 1; Eastern Towhee, 1; Vesper Sparrow, 4; Slate-colored Junco, 119; Field Sparrow, 59; Song Sparrow, 8. **Total,** 24 species; 347 individuals. (In area during count week: Ruffed Grouse, Am. Robin, Marsh Hawk.)—Mrs. Banner Blevins, Linnaeus Derrick, Ray Derrick, Mrs. A. Burman Hurt (compiler), James J. Miller, Kent Robinson.

192. Wilmington, N. C. (10th count in area; 7½-mile radius centering on Monkey Junction on Carolina Beach Road, including Wrightsville Beach and Sound, Masonboro and Greenville Sounds, Winter Park; Orton, Pleasant Oaks and Clarendon Plantations, Cape Fear River and Greenfield Lake; mixed pine and deciduous woodland 60%, fresh-water ponds and river 15%, beach and salt-water marsh 20%, pasture 5%).—Dec. 27; 4:15 a.m. to 5:45 p.m. Partly cloudy; temp. 41° to 67°; wind E, 6 m.p.h.; precipitation none, according to weather bureau, but rained in late afternoon at beach; ground bare, water open. Sixteen observers in 6 parties. Total party-hours, 66¼ (35 on foot, 31¼ by car); total party-miles, 282 (37 on foot, 245 by car). Common Loon, 22; Red-throated Loon, 5; **Red-necked Grebe,** 1 (P.M.); Horned Grebe, 13; Pied-billed Grebe, 31; Brown Pelican, 8; Gannet, 2; Double-crested Cormorant, 174; Water-

turkey, 1; Great Blue Heron, 24; Am. Egret, 16; Snowy Egret, 6; Louisiana Heron, 7; Little Blue Heron, 2; Green Heron, 2; Black-crowned Night Heron, 7; **Yellow-crowned Night Heron,** 1 (present since Nov.); Am. Bittern, 1; Canada Goose, 1701; Am. Brant, 9 (S.B., J.E.); Mallard, 369; Black Duck, 28; Gadwall, 5; **European Widgeon,** 1; Am. Widgeon, 151; Pintail, 161; Green-winged Teal, 407; Blue-winged Teal, 2; Shoveller, 4; Wood Duck, 30; Redhead, 57; Ring-necked Duck, 51; Canvas-back, 136; Lesser Scaup, 24; Am. Golden-eye, 3; Bufflehead, 53; Old-squaw, 6; White-winged Scoter, 30; Surf Scoter, 50; Am. Scoter, 25; Ruddy Duck, 6; Hooded Merganser, 28; Am. Merganser, 10; Red-breasted Merganser, 86; Turkey Vulture, 2; Black Vulture, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 12; Bald Eagle, 6; Marsh Hawk, 5; Osprey, 3; Peregrine Falcon, 1; Pigeon Hawk, 2; Sparrow Hawk, 11; Bob-white, 18; King Rail, 3; Clapper Rail, 46; Florida Gallinule, 2; Am. Coot, 247; Am. Oyster-catcher, 5; Piping Plover, 1; Ringed Plover, 28; Killdeer, 491; Black-bellied Plover, 191; Ruddy Turnstone, 19; Am. Woodcock, 1; Wilson's Snipe, 67; **Hudsonian Curlew,** 30 [very satisfactory details submitted—Ed.]; **Spotted Sandpiper,** 1 (M.B., J.T.); Willet, 4; Greater Yellow-legs, 63; Lesser Yellow-legs, 21; Least Sandpiper, 21; Red-backed Sandpiper, 64; Dowitcher, 13; Semipalmated Sandpiper, 75; Western Sandpiper, 11; Sanderling, 90; Herring Gull, 130; Ring-billed Gull, 488; Laughing Gull, 102; Bonaparte's Gull, 6; Gull-billed Tern, 6 [no details—Ed.]; Forster's Tern, 20; Royal Tern, 2; Black Skimmer, 2; Mourning Dove, 155; Ground Dove, 2 (S.B., M.V.); Screech Owl, 1; Horned Owl, 3; Barred Owl, 7; **Short-eared Owl,** 2; Belted Kingfisher, 42; Yellow-shafted Flicker, 82; Pileated Woodpecker, 3; Red-bellied Woodpecker, 17; Red-headed Woodpecker, 7; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 4; Downy Woodpecker, 15; Red-cockaded Woodpecker, 12; Eastern Phoebe, 15; Tree Swallow, 48; **Rough-winged Swallow,** 5 (4 observers); Blue Jay, 236; Am. Crow, 737; Fish Crow, 14; Carolina Chickadee, 154; Tufted Titmouse, 206; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 21; Brown-headed Nuthatch, 58; Brown Creeper, 3; House Wren, 6; Winter Wren, 7; Carolina Wren, 72; Long-billed Marsh Wren, 2; Short-billed Marsh Wren, 6; Mockingbird, 65; Catbird, 9; Brown Thrasher, 38; Am. Robin, 855; Hermit Thrush, 14; Eastern Bluebird, 103; Blue-gray Gnatcatcher, 8; Golden-crowned Kinglet, 46; Ruby-crowned Kinglet, 31; Water Pipit, 186; Cedar Waxwing, 18; Loggerhead Shrike, 26; Common Starling, 118; Myrtle Warbler, 435; Pine Warbler, 128; Palm Warbler, 3; Common Yellow-throat, 5; House Sparrow, 259; Eastern Meadowlark, 411; Red-winged Blackbird, 4210; Boat-tailed Grackle, 73; Purple Grackle, 16; Brown-headed Cowbird, 4; Cardinal, 109; **Evening Grosbeak,** 4 (J.T., M.B.); Purple Finch, 12; Am. Goldfinch, 132; Eastern Towhee, 233; Savannah Sparrow, 109; Henslow's Sparrow, 3 (P.M.); Sharp-tailed Sparrow, 6; Seaside Sparrow, 6; Ipswich Sparrow, 3; Vesper Sparrow, 15; **Lark Sparrow,** 5 (P.M.); Pine-woods Sparrow, 1; Slate-colored Junco, 226; Chipping Sparrow, 16; Field Sparrow, 75; White-throated Sparrow, 239; Fox Sparrow, 64; Swamp Sparrow, 161; Song Sparrow, 93. **Total,** 163 species; about 16,598 individuals. (Seen in area Dec. 28: Purple Sandpiper, 2; Orange-crowned Warbler, 2; Baltimore Oriole, 1.)—Edna Appleberry (compiler), C. M. Appleberry, Dot Baker, Mary Baker, Sam Baker, Clifford Comeau, John Evans, John Foster, Bob Holmes III, Ruth Loman, Polly Mebane, Robert MacMillan, John Trott, Marie Vander Schalie, Margie Vander Schalie, Mike Vaughn.

193. Windom, N. C. (same as last year except part of village and large mountain cove left out).—Dec. 28; 7:30 a.m. to 5 p.m. Cloudy; temp. 52° to 54°; wind ESE, 15 m.p.h. Three observers in 1 party. Total party-hours, 9½; total party-miles, 52 (2 on foot, 50 by car). Sharp-shinned Hawk, 1; Am. Woodcock, 1; Wilson's Snipe, 3; Mourning Dove, 9; Belted Kingfisher, 3; Downy Woodpecker, 3; Blue Jay, 9; Am. Crow, 108; Carolina Chickadee, 17; Tufted Titmouse, 7; House Wren, 1; Winter Wren, 2; Carolina Wren, 4; Mockingbird, 1; Eastern Bluebird, 5; Common Starling, 8; House Sparrow, 76; Cardinal, 19; Am. Goldfinch, 104; Eastern Towhee, 5; Vesper Sparrow, 27; Slate-colored Junco, 59; Field Sparrow, 54; White-throated Sparrow, 6; Fox Sparrow, 2; Song Sparrow, 36. **Total,** 26 species; about 570 individuals.—Roosevelt Hughes, Wade Styles, James Hutchins (compiler).

194. Winston-Salem, N.C. (7-mile radius including Salem Lake and Yadkin River; pasture 5%, deciduous forests 20%, evergreen forests 10%, old fields 20%, lakes and creek bottoms 30%, suburbs 15%).—Dec. 26; 6 a.m. to 6 p.m. Fair to partly cloudy; temp. 40° to 49°; wind SW, 5 m.p.h. Six observers in 4 parties. Total party-hours, 35 (28 on foot, 7 by car); total party-miles, 68 (20 on foot, 48 by car). Great Blue Heron, 2; Canada Goose, 55; Mallard, 30; Black Duck, 3; Ring-necked Duck, 2; scaup (sp.), 2; Ruddy Duck, 1; Turkey Vulture, 4; Black Vulture, 1; Red-shouldered Hawk, 5; Marsh Hawk, 2; Sparrow Hawk, 2; Bob-white, 33; Killdeer, 7; Mourning Dove, 52; Belted Kingfisher, 2; Yellow-shafted Flicker, 21; Red-bellied Woodpecker, 5; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 1; Downy Woodpecker, 20; Eastern Phoebe, 5; Horned Lark, 100; Blue Jay, 41; Am. Crow, 60; Carolina Chickadee, 53; Tufted Titmouse, 20; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 6; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 28; Mockingbird, 32; Brown Thrasher, 1; Am. Robin, 310; Hermit Thrush, 4; Eastern Bluebird, 38; Golden-crowned Kinglet, 15; Ruby-crowned Kinglet, 3; Cedar Waxwing, 90; Loggerhead Shrike, 8; Common Starling, 690; Myrtle Warbler, 21; House Sparrow, 33; Eastern Meadowlark, 55; Red-winged Blackbird, 2; Cardinal, 86; Purple Finch, 221; Pine Siskin, 15; Am. Goldfinch, 33; Eastern Towhee, 33; Slate-colored Junco, 142; Field Sparrow, 91; White-crowned Sparrow, 3; White-throated Sparrow, 406; Fox Sparrow, 14; Swamp Sparrow, 10; Song Sparrow, 87. **Total,** 58 species; about 3023 individuals.—Dr. and Mrs. T. W.

Simpson, Dr. and Mrs. M. P. Spencer, J. L. Stephenson, R. H. Witherington (compiler) (Winston-Salem Bird Club).

195. Charleston, S. C. (same area as in preceding years).—Dec. 27; 7 a.m. to 5 p.m. Clear; temp. 55° to 72°; wind NE to E, 7-17 m.p.h. Fifteen observers in 5 parties. Total party-hours, 45 (28½ on foot, 6 by car, 10½ by boat); total party-miles, 133 (32½ on foot, 74 by car, 26½ by boat). Common Loon, 12; Horned Grebe, 58; Pied-billed Grebe, 8; Brown Pelican, 1; Double-crested Cormorant, 100+; Great Blue Heron, 14; Snowy Egret, 5; Louisiana Heron, 14; Little Blue Heron, 31; Mallard, 50; Black Duck, 32; Gadwall, 1; Am. Widgeon, 30; Pintail, 12; Green-winged Teal, 40; Blue-winged Teal, 30; Shoveller, 7; Wood Duck, 1; scaup (sp.), 20; Am. Golden-eye, 6; Buffle-head, 94; Old-squaw, 1; Hooded Merganser, 5; Red-breasted Merganser, 33; Turkey Vulture, 32; Black Vulture, 26; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 4; Bald Eagle, 4; Marsh Hawk, 10; Osprey, 1; Sparrow Hawk, 6; Bob-white, 1; Clapper Rail, 1; Am. Coot, 3; Am. Oyster-catcher, 204; Ringed Plover, 100+; Killdeer, 10; Black-bellied Plover, 38; Ruddy Turnstone, 14; Wilson's Snipe, 14; Willet, 31; Greater Yellow-legs, 10; Lesser Yellow-legs, 7; Least Sandpiper, 12; Red-backed Sandpiper, 62; Dowitcher, 39; Western Sandpiper, 90; Sanderling, 6; Herring Gull, 112+; Ring-billed Gull, 95; Laughing Gull, 12; Bonaparte's Gull, 8; Forster's Tern, 18; Caspian Tern, 5; Black Skimmer, 125; Mourning Dove, 102; Ground Dove, 7; Screech Owl, 1; Belted Kingfisher, 15; Yellow-shafted Flicker, 49; Pileated Woodpecker, 11; Red-bellied Woodpecker, 32; Yellow-bellied Sapsucker, 16; Hairy Woodpecker, 5; Downy Woodpecker, 13; Eastern Phoebe, 13; Tree Swallow, 10; Blue Jay, 19; Am. Crow, 121; Fish Crow, 75; Carolina Chickadee, 49; Tufted Titmouse, 40; White-breasted Nuthatch, 2; Brown-headed Nuthatch, 9; Brown Creeper, 3; House Wren, 6; Winter Wren, 5; Carolina Wren, 34; Mockingbird, 28; Catbird, 6; Brown Thrasher, 14; Am. Robin, 312+; Hermit Thrush, 18; Eastern Bluebird, 28; Golden-crowned Kinglet, 14; Ruby-crowned Kinglet, 26; Water Pipit, 5; Cedar Waxwing, 4; Loggerhead Shrike, 13; Common Starling, 6; Solitary Vireo, 3; Orange-crowned Warbler, 10; Myrtle Warbler, 500+; Yellow-throated Warbler, 4; Pine Warbler, 8; Eastern Meadowlark, 68; Red-winged Blackbird, 316+; Boat-tailed Grackle, 12; Purple Grackle, 25; **Western (?) Tanager,** 1 (G.L.B.); Cardinal, 27; Am. Goldfinch, 43; Eastern Towhee, 68; Savannah Sparrow, 5; Sharp-tailed Sparrow, 1; Seaside Sparrow, 3; Vesper Sparrow, 15; Slate-colored Junco, 15; Chipping Sparrow, 10; Field Sparrow, 30; White-throated Sparrow, 341+; Fox Sparrow, 124; Swamp Sparrow, 27; Song Sparrow, 32. **Total,** 117 species (1 additional subspecies); over 4509 individuals. (The **Western Tanager** was observed on Bull's Island. A "first" for S. C., it is placed on the hypothetical list.)—G. L. Brody, R. H. Coleman, W. Coleman, Mr. and Mrs. R. L. Comstock, J. H. Dick, Mr. and Mrs. R. D. Edwards, Robert Fritzsche, I. S. Metcalf, I. S. H. Metcalf, A. S. Sprunt, Jr., A. M. Wilcox, E. A. Williams, E. B. Chamberlain (compiler).

196. Columbia, S. C. (same general area as last year; extended drought destroyed Horseshoe Pond, but made many points accessible to automobiles; deciduous river and creek swamps 25%, pine woods 20%, open fields 25%, lake shores 15%, urban 15%).—Dec. 30; 7 a.m. to 5:30 p.m. Clear; temp. 48° to 55°; wind SW, 8-10 m.p.h. Eleven observers in 5 parties. Total party-hours, 44 (28 on foot, 16 by car); total party-miles, 104 (18 on foot, 86 by car). Horned Grebe, 1; Pied-billed Grebe, 24; Great Blue Heron, 3; Am. Bittern, 2; Ring-necked Duck, 1; Turkey Vulture, 15; Black Vulture, 42; Red-tailed Hawk, 8; Red-shouldered Hawk, 3; Marsh Hawk, 3; Sparrow Hawk, 24; Killdeer, 54; Ring-billed Gull, 7; Mourning Dove, 29; Belted Kingfisher, 4; Yellow-shafted Flicker, 77; Pileated Woodpecker, 1; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 12; Hairy Woodpecker, 5; Downy Woodpecker, 5; Eastern Phoebe, 15; Blue Jay, 69; Am. Crow, 97; Carolina Chickadee, 65; Tufted Titmouse, 63; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 4; Brown-headed Nuthatch, 21; Brown Creeper, 3; Carolina Wren, 32; Mockingbird, 40; Catbird, 1; Brown Thrasher, 32; Am. Robin, 229; Hermit Thrush, 21; Eastern Bluebird, 75; Golden-crowned Kinglet, 17; Ruby-crowned Kinglet, 66; Water Pipit, 149; Cedar Waxwing, 246; Loggerhead Shrike, 11; Common Starling, 1162; Myrtle Warbler, 53; Pine Warbler, 132; Oven-bird, 1; House Sparrow, 675; Eastern Meadowlark, 1051; Red-winged Blackbird, 1131; Rusty Blackbird, 92; Purple Grackle, 113; Brown-headed Cowbird, 1835; Cardinal, 123; Purple Finch, 3; Am. Goldfinch, 79; Eastern Towhee, 168; Vesper Sparrow, 7; Slate-colored Junco, 107; Chipping Sparrow, 200; Field Sparrow, 314; White-throated Sparrow, 648; Fox Sparrow, 18; Swamp Sparrow, 6; Song Sparrow, 162. **Total,** 65 species; about 9671 individuals.—Mr. and Mrs. P. B. Hendrix, Mrs. S. E. Martin, Jimmy Martin, Billy Martin, David Monteith, Charles I. Simons, Mrs. Kay Sisson, Gordon Brown, Mrs. Gilbert J. Bristow, Gilbert J. Bristow (compiler).

197. Eastover, S. C. (Route 764 to Weston's and Haithcock's ponds, across country to 263, down 601 to pastures of Wateree Hereford Farm, back up 263 to Goodwill Pond; cultivated fields 33%, grass pasture 33%, deciduous and pine woods 14%, swampy areas around ponds 20%).—Dec. 27; 8 a.m. to 5 p.m. Partly cloudy; temp. 46° to 69°; wind SW, 3 m.p.h. Two observers in 1 party. Total party-hours, 7 (1 on foot, 6 by car); total party-miles, 25 (½ on foot, 24½ by car). Pied-billed Grebe, 3; Water-turkey, 2; Great Blue Heron, 1; Canada Goose, 1; Mallard, 2; Pintail, 3; Wood Duck, 1; Ring-necked Duck, 17; Turkey Vulture, 3; Black Vulture, 52; Cooper's Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 1; Peregrine Falcon, 1; Sparrow Hawk, 7; Killdeer, 3; Wilson's Snipe, 1; Mourning Dove, 14; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted

Flicker, 6; Pileated Woodpecker, 1; Red-bellied Woodpecker, 8; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 1; Downy Woodpecker, 2; Eastern Phoebe, 1; **Horned Lark,** 49; Blue Jay, 21; Am. Crow, 21; Carolina Chickadee, 8; Tufted Titmouse, 4; Brown-headed Nuthatch, 2; Brown Creeper, 7; Winter Wren, 4; Carolina Wren, 8; Mockingbird, 11; Brown Thrasher, 1; Am. Robin, 32; Hermit Thrush, 3; Eastern Bluebird, 26; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 18; Water Pipit, 1; Cedar Waxwing, 7; Loggerhead Shrike, 18; Common Starling, 242; Solitary Vireo, 1; Myrtle Warbler, 4; Pine Warbler, 18; Palm Warbler, 2; House Sparrow, 300; Eastern Meadowlark, 68; Red-winged Blackbird, 534; Rusty Blackbird, 40; Cardinal, 34; Purple Finch, 6; Pine Siskin, 9; Am. Goldfinch, 54; Eastern Towhee, 8; Savannah Sparrow, 96; Grasshopper Sparrow, 20; Vesper Sparrow, 59; Slate-colored Junco, 2; Chipping Sparrow, 163; Field Sparrow, 52; White-throated Sparrow, 36; Fox Sparrow, 4; Swamp Sparrow, 8; Song Sparrow, 7. **Total,** 70 species; about 2152 individuals. (In area Dec. 25: **Evening Grosbeak,** 13.)—Mrs. W. H. Faver (compiler), Mrs. Clyde Sisson.

198. Santee National Wildlife Refuge, S. C. (7½-mile radius centering ½ mile east of Davis Crossroads [3½ miles SSE of Summerton]; same area as last year; pasture and open fields 20%, town suburbs 10%, marsh, swamp, and water edge 40%, mixed hardwood and pine forest 30%).—Dec. 30; 7 a.m. to 5:30 p.m. Partly cloudy; temp. 45° to 73°; wind SW, 4-7 m.p.h. One observer. Total hours, 10½ (6 on foot, 4½ by car); total miles, 85 (4 on foot, 81 by car). Pied-billed Grebe, 6; Great Blue Heron, 11; Am. Egret, 2; Canada Goose, 750; Blue Goose, 3; Mallard, 3550; Black Duck, 160; Gadwall, 2500; Am. Widgeon, 3600; Pintail, 200; Green-winged Teal, 45; Redhead, 6; Ring-necked Duck, 104; Turkey Vulture, 8; Black Vulture, 2; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 7; Bald Eagle, 2; Marsh Hawk, 5; Sparrow Hawk, 9; Florida Gallinule, 5; Am. Coot, 5150; Killdeer, 9; Wilson's Snipe, 4; Ring-billed Gull, 12; Mourning Dove, 152; Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 12; Red-bellied Woodpecker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 2; Red-cockaded Woodpecker, 2; Eastern Phoebe, 4; Blue Jay, 8; Am. Crow, 61; Fish Crow, 26; Tufted Titmouse, 2; Brown Creeper, 1; Carolina Wren, 2; Mockingbird, 5; Brown Thrasher, 3; Eastern Bluebird, 34; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 5; Water Pipit, 350; Loggerhead Shrike, 8; Common Starling, 2; Myrtle Warbler, 100; Pine Warbler, 42; Palm Warbler, 1; House Sparrow, 14; Eastern Meadowlark, 153; Red-winged Blackbird, 68; Cardinal, 10; Am. Goldfinch, 55; Eastern Towhee, 2; Savannah Sparrow, 116; Henslow's Sparrow, 1; Vesper Sparrow, 10; Slate-colored Junco, 79; Chipping Sparrow, 54; Field Sparrow, 114; White-throated Sparrow, 50; Swamp Sparrow, 4; Song Sparrow, 112. **Total,** 67 species; about 17,824 individuals.—Robert J. Lemaire.

199. Spartanburg, S. C. (7½-mile radius centering on Main St., including Silver Lake, Zimmerman Lake, Pierce Lake, Sewage Disposal area; open fields 15%, town suburbs 20%, mixed woodlands 20%, lakes and marshes 45%).—Dec. 30; 6:30 a.m. to 5 p.m. Clear; temp. 35° to 60°; wind SE, 5-7 m.p.h. Eleven observers in 3 parties. Total party-hours, 15 (12 on foot, 3 by car); total party-miles, 48 (12 on foot, 36 by car). Pied-billed Grebe, 9; Great Blue Heron, 1; Mallard, 8; Black Duck, 1; Ring-necked Duck 3; Lesser Scaup, 3; Turkey Vulture, 4; Black Vulture, 18; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 1; Killdeer, 60; Mourning Dove, 26; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 6; Eastern Phoebe, 8; Blue Jay, 28; Am. Crow, 150; Carolina Chickadee, 32; Tufted Titmouse, 22; Brown-headed Nuthatch, 8; Brown Creeper, 2; Winter Wren, 2; Carolina Wren, 16; Mockingbird, 19; Brown Thrasher, 3; Am. Robin, 2; Eastern Bluebird, 39; Golden-crowned Kinglet, 18; Ruby-crowned Kinglet, 9; Water Pipit, 24; Cedar Waxwing, 1; Loggerhead Shrike, 3; Common Starling, 185; Pine Warbler, 2; Common Yellowthroat, 1; House Sparrow, 44; Eastern Meadowlark, 210; Red-winged Blackbird, 110; Cardinal, 30; Purple Finch, 2; Pine Siskin, 6; Am. Goldfinch, 110; Eastern Towhee, 26; Savannah Sparrow, 6; Slate-colored Junco, 73; Field Sparrow, 70; White-crowned Sparrow, 1; White-throated Sparrow, 74; Fox Sparrow, 1; Swamp Sparrow, 5; Song Sparrow, 41. **Total,** 58 species; about 1541 individuals.—Gabriel Cannon, Louisa Carlisle, Harold Correll, Ruth Crick, Flora Beymer, Margaret Hammond, Tucker McCravy, Dr. and Mrs. W. P. Walker, Dr. and Mrs. J. O. Watkins.

200. Atlanta, Ga. (area bounded by Brookhaven, Avondale Estates, Municipal Airport, Fulton County Airport; center of circle at State Capitol Building; cultivated and abandoned fields 20%, ponds and streams 20%, parks 10%, mixed woods 35%, marsh 5%, residential 5%, roadside 5%).—Dec. 26; 7 a.m. to 5:30 p.m. Heavy overcast all day; temp. 47° to 55°; wind 10-20 m.p.h. Forty observers in 20 parties. Total party-hours, 137 (58 on foot, 79 by car); total party-miles, 393 (86 on foot, 307 by car). Pied-billed Grebe, 16; Great Blue Heron, 1; Mallard, 12; Turkey Vulture, 5; Black Vulture, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 13; Red-shouldered Hawk, 11; Marsh Hawk, 4; Sparrow Hawk, 11; Bob-white, 49; Am. Coot, 3; Killdeer, 245; Wilson's Snipe, 29; Mourning Dove, 233; Barred Owl, 1; Belted Kingfisher, 10; Yellow-shafted Flicker, 44; Pileated Woodpecker, 7; Red-bellied Woodpecker, 74; Red-headed Woodpecker, 49; Yellow-bellied Sapsucker, 16; Hairy Woodpecker, 14; Downy Woodpecker, 47; Eastern Phoebe, 12; Blue Jay, 472; Am. Crow, 198; Carolina Chickadee, 172; Tufted Titmouse, 155; White-breasted Nuthatch, 59; Red-breasted Nuthatch, 2; Brown-headed Nuthatch, 21; Brown Creeper, 27; Winter Wren, 17; Carolina Wren, 93; Mockingbird, 142; Catbird, 2; Brown

Thrasher, 50; Am. Robin, 27; Hermit Thrush, 11; Eastern Bluebird, 81; Golden-crowned Kinglet, 43; Ruby-crowned Kinglet, 35; Water Pipit, 302; Cedar Waxwing, 66; Loggerhead Shrike, 4; Common Starling, 393; **White-eyed Vireo,** 1; **Black and White Warbler,** 1; Myrtle Warbler, 6; Pine Warbler, 4; Common Yellowthroat, 1; House Sparrow, 138; Eastern Meadowlark, 108; Red-winged Blackbird, 10,975; Rusty Blackbird, 1033; Purple Grackle, 9888; Brown-headed Cowbird, 506; Cardinal, 168; Purple Finch, 71; Pine Siskin, 4; Am. Goldfinch, 274; Eastern Towhee, 262; Savannah Sparrow, 38; Slate-colored Junco, 255; Chipping Sparrow, 26; Field Sparrow, 336; White-throated Sparrow, 987; Fox Sparrow, 109; Swamp Sparrow, 104; Song Sparrow, 419. **Total,** 72 species; about 28,997 individuals. (Roost in the area of about 100,000+ blackbirds, 70% Purple Grackles, 20% Common Starlings, 10% Red-winged Blackbirds and Brown-headed Cowbirds, not listed in census. [Why?—Ed.] It is thought to contain all of the blackbirds east and south for about 15 miles; numbers vary, but above figure considered about right for census day.)—Orpha Baber, George Beal, Glenn Ball, R. B. Belser, Mrs. J. E. Boyd, Jack Carusos, William Calder, Tom and Ed Collum, Zilpha Coogle, Mrs. T. J. Cook, Albon C. Cowles, Mrs. Evelyn Crawford, Mrs. Carmen Dobbs, Wallace D. Dreyfoos, Lewis Fink, Rufus B. Godwin (compiler), William W. Griffin, Mr. and Mrs. Hal Herreman, Mr. and Mrs. Gordon Hudson, Mrs. Rosalind Lundsford, Rosa Lundsford, Mrs. Lida McKenzie, Hugh Moore, Jr., Dick Parks, Harold Peters, Ralph Ramsey, Henry Robert, Mrs. Frances Stafford, George Seiple, Mrs. J. Morgan Smith, Mr. and Mrs. W. J. Snow, Charles Wharton, Ray Werner, Carter Whitaker, Mrs. B. N. Willingham, A. M. Wylie.

201. Columbus, Ga. (3 areas within 7 miles of Columbus: Flat Rock Park area, Park Hill Cemetery area, Moon Lake area; preceding covered in 1951 and 1952; this year added Green Island Hills area, a residential section with many pines).—Dec. 31; 7 a.m. to 5 p.m. Cloudy a.m., some sun p.m.; temp. 30° to 55°; wind SW, 5-10 m.p.h. Three observers in 1 party. Total party-hours, 10 (6 on foot, 4 by car); total party-miles, 37 (7 on foot, 30 by car). Turkey Vulture, 23; Black Vulture, 1; Bob-white, 6; Killdeer, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 8; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 2; Blue Jay, 36; Am Crow, 21; Carolina Chickadee, 7; Brown-headed Nuthatch, 3; Brown Creeper, 1; Carolina Wren, 9; Mockingbird, 12; Brown Thrasher, 10; Am. Robin, 6; Hermit Thrush, 1; Eastern Bluebird, 15; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 16; Water Pipit, 6; Cedar Waxwing, 12; Loggerhead Shrike, 6; Common Starling, 10; Pine Warbler, 25; House Sparrow, 48; Eastern Meadowlark, 8; Cardinal, 33; Am. Goldfinch, 7; Eastern Towhee, 18; Savannah Sparrow, 8; Slate-colored Junco, 15; Chipping Sparrow, 4; Field Sparrow, 7; White-crowned Sparrow, 2; White-throated Sparrow, 10; Swamp Sparrow, 5; Song Sparrow, 4. **Total,** 40 species; 413 individuals. (Seen in area during week: Red-shouldered Hawk, Marsh Hawk, Sparrow Hawk, Mourning Dove, Tufted Titmouse, Red-winged Blackbird).—Rev. W. B. Clemmons (compiler), Mrs. W. B. Clemmons, L. A. Wells.

202. Dalton, Ga. (same as last year with omission of Tunnel Hill and Puryear lakes, and addition of Dug Gap Mountain and H. E. King farm, residential 15%, mixed woods 30%, cultivated and abandoned fields 35%, pond and stream 20%).—Dec. 31; 8:45 a.m. to 5:45 p.m .Overcast; temp. 32° to 52°; wind calm; ground wet. Eight observers in 2 parties. Total party-hours, 39 (27 on foot, 12 by car); total party-miles, 49 (28 on foot, 21 by car). Pied-billed Grebe, 1; Gadwall, 1; Ring-necked Duck, 2; Turkey Vulture, 5; Cooper's Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 1; Bob-white, 3; Killdeer, 10; Mourning Dove, 11; Belted Kingfisher, 2; Yellow-shafted Flicker, 9; Pileated Woodpecker, 7; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 5; Eastern Phoebe, 4; Blue Jay, 51; Am. Crow, 38; Carolina Chickadee, 15; Tufted Titmouse, 17; Red-breasted Nuthatch, 1; Winter Wren, 1; Carolina Wren, 19; Mockingbird, 9; Brown Thrasher, 11; Am. Robin, 38; Hermit Thrush, 1; Eastern Bluebird, 13; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 1; Water Pipit, 3; Cedar Waxwing, 13; Loggerhead Shrike, 3; Common Starling, 157; Pine Warbler, 8; House Sparrow, 43; Eastern Meadowlark, 133; Red-winged Blackbird, 50; Brown-headed Cowbird, 20; Cardinal, 35; Purple Finch, 3; Am. Goldfinch, 20; Eastern Towhee, 30; Slate-colored Junco, 61; Field Sparrow, 6; White-throated Sparrow, 128; Fox Sparrow, 1; Swamp Sparrow, 13; Song Sparrow, 22. **Total,** 50 species; about 1042 individuals. (Seen in area during week: White-breasted Nuthatch, Brown Creeper, Pine Siskin, Chipping Sparrow.)—Mr. and Mrs. James Bassett, Conrad Easley, Mrs. R. E. Hamilton (compiler), Mrs. Herman King, Mrs. Harold Liner, Mrs. Jack Sohn.

203. Ida Cason Gardens, Chipley, Ga. (within 2000 acres, area not completely covered; meadows and golf course 10%, lakes 30%, pine and mixed woods 60%).—Jan. 1; 7:30 a.m. to 5 p.m. Heavy rain a.m., occasional showers p.m.; temp. 45° to 56°; wind E-SE, 5-15 m.p.h. Thirteen observers in 4 parties. Total party-hours, 71 (56 on foot, 15 by car); total party-miles, 195 (10 on foot, 185 by car). Pied-billed Grebe, 20; Great Blue Heron, 2; Canada Goose, 4; Mallard, 9; Am. Widgeon, 4; Ring-necked Duck, 40; Canvas-back, 2; Lesser Scaup, 72; Ruddy Duck, 2; Hooded Merganser, 2; Turkey Vulture, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Bob-white, 10; Am. Coot, 100; Killdeer, 30; Wilson's Snipe, 1; Mourning Dove, 11; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 8; Pileated Woodpecker, 1; Red-bellied Woodpecker, 8; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 12; Eastern Phoebe, 6; Horned Lark, 1; Blue Jay, 18; Am. Crow, 50; Carolina Chickadee, 20; Tufted Titmouse, 1; Brown-headed Nuthatch, 8; Brown Creeper, 3; Carolina Wren, 4; Mockingbird, 6; Am. Robin, 1; Hermit Thrush, 4; Eastern Bluebird, 20; Golden-crowned

Kinglet, 50; Ruby-crowned Kinglet, 6; Water Pipit, 6; Cedar Waxwing, 48; Loggerhead Shrike, 3; Common Starling, 2; Myrtle Warbler, 2; Pine Warbler, 30; House Sparrow, 5; Eastern Meadowlark, 75; Red-winged Blackbird, 60; Cardinal, 25; Am. Goldfinch, 30; Eastern Towhee, 15; Savannah Sparrow, 50; Vesper Sparrow, 1; Slate-colored Junco, 200; Chipping Sparrow, 325; Field Sparrow, 275; White-crowned Sparrow, 1; White-throated Sparrow, 40; Fox Sparrow, 15; Swamp Sparrow, 30; Song Sparrow, 63. **Total,** 64 species; about 1851 individuals.—A. W. Cowles, George C. Beal, Brooks Edwards, Mr. and Mrs. R. B. Godwin, Mrs. A. T. Hanson, Shelby Kinney, Gladys Ozley, Harold S. Peters, Sadie Shannon, Mrs. J. M. Smith, Ray C. Werner, Mrs. J. H. Whiteman (compiler) (Atlanta Bird Club, Chattahoochee Bird Club).

204. Macon-Warner Robins, Ga. (Macon, Wesleyan Drive, Brickyard Ponds, Reese's Lake, Warner Robins, Macon River Swamp).—Dec. 26; 8 a.m. to 5 p.m. Cloudy, some wind; temp. 35° to 60°. Seven observers in 2 parties. Total party-hours, 12 (10 on foot, 2 by car). Pied-billed Grebe, 1; Great Blue Heron, 2; Mallard, 4; Turkey Vulture, 1; Black Vulture, 12; Red-tailed Hawk, 13; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 4; Killdeer, 12; Belted Kingfisher, 5; Yellow-shafted Flicker, 6; Pileated Woodpecker, 1; Red-bellied Woodpecker, 6; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 3; Eastern Phoebe, 1; Blue Jay, 36; Am. Crow, 13; Carolina Chickadee, 2; Tufted Titmouse, 9; Brown-headed Nuthatch, 3; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 6; Mockingbird, 9; Brown Thrasher, 9; Am. Robin, 2000; Hermit Thrush, 4; Eastern Bluebird, 22; Ruby-crowned Kinglet, 10; Water Pipit, 36; Loggerhead Shrike, 4; Common Starling, 100; Myrtle Warbler, 3; Pine Warbler, 8; Common Yellowthroat, 3; House Sparrow, 31; Eastern Meadowlark, 56; Red-winged Blackbird, 1; **Rusty Blackbird,** 500; Purple Grackle, 1; Cardinal, 15; Purple Finch, 1; Am. Goldfinch, 21; Eastern Towhee, 15; Slate-colored Junco, 51; Chipping Sparrow, 3; Field Sparrow, 3; White-throated Sparrow, 26; Swamp Sparrow, 2; Song Sparrow, 15. **Total,** 53 species; over 3100 individuals. —G. G. Rohwer, T. P. Haines, S. A. Rohwer, Mr. and Mrs. A. I. Foster, Mr. and Mrs. Tom Cater.

205. Rome, Ga. (7½-mile radius centering on Second and Broad Streets, including Jones Lake, Wax Lake, Darlington School campus, Rome Nature Park, Berry Schools campus, Russell Air Field; pasture and stubble 25%, pine woods 40%, deciduous woods 15%, lake shore 10%, town suburbs 10%).—Jan. 2; 7:15 a.m. to 5:30 p.m. Heavy fog until 10 a.m., then clear; temp. 39° to 67°; wind calm; ground very wet. Twenty-one observers in 5 parties. Total party-hours, 111 (101 on foot, 10 by car); total party-miles, 117 (42 on foot, 75 by car). Pied-billed Grebe, 89; Great Blue Heron, 1; Mallard, 11; Gadwall, 1; Pintail, 4; Ring-necked Duck, 281; Red-breasted Merganser, 4; Turkey Vulture, 9; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 3; Bobwhite, 7; Killdeer, 10; Wilson's Snipe, 1; Mourning Dove, 60; Belted Kingfisher, 2; Yellow-shafted Flicker, 26; Pileated Woodpecker; 3; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 13; Downy Woodpecker, 7; Eastern Phoebe, 8; Horned Lark, 18; Blue Jay, 132; Am. Crow, 109; Carolina Chickadee, 58; Tufted Titmouse, 33; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 8; Brown-headed Nuthatch, 1; Brown Creeper, 14; House Wren, 1; Winter Wren, 3; Bewick's Wren, 2; Carolina Wren, 35; Mockingbird, 59; Brown Thrasher, 15; Am. Robin, 97; Hermit Thrush, 3; Eastern Bluebird, 68; Golden-crowned Kinglet, 14; Ruby-crowned Kinglet, 2; Water Pipit, 30; Cedar Waxwing, 40; Loggerhead Shrike, 6; Common Starling, 241; Myrtle Warbler, 6; Pine Warbler, 73; House Sparrow, 175; Eastern Meadowlark, 28; Red-winged Blackbird, 26; Rusty Blackbird, 50; Purple Grackle, 44; Brown-headed Cowbird, 26; Cardinal, 112; Purple Finch, 9; Pine Siskin, 77; Am. Goldfinch, 69; Eastern Towhee, 119; Savannah Sparrow, 16; Vesper Sparrow, 2; Slate-colored Junco, 171; Chipping Sparrow, 50; Field Sparrow, 91; White-crowned Sparrow, 2; White-throated Sparrow, 405; Fox Sparrow, 16; Swamp Sparrow, 26; Song Sparrow, 64. **Total,** 71 species; about 3206 individuals.—Cynthia Anderson, H. Gordon Anderson, Leone Bosworth, Edith Crenshaw, Fred Crenshaw, G. A. Dorsey, Gladys Hardaker, Merle Hardaker, Mrs. J. L. Henderson, J. L. Henderson, Mrs. G. L. Hight, Jr., G. L. Hight, Jr., H. C. Jones, Mrs. H. C. Jones, Marion King, Ben Maulsby, Louise Nunnally, Stella Opem, Fay Peters, Harold Peters, Alta V. Stevens (Floyd Audubon Society).

206. Sherwood and Birdsong Plantations (Grady Co.) Ga. (within 1500 acres; open fields and pastures 50%, pineland and mixed hardwoods 30%, gum swamp and ponds 20%).—Dec. 26; 6:15 a.m. to 6:15 p.m. Heavily overcast a.m., clearing; temp. 45° to 58°; wind E to S, 2-10 m.p.h.; 2 ponds dry, 3 very low, 1 normal; long-continued drought; whole region dryest in historic times. One observer. Total hours, 12 (11 on foot, 1 by car and canoe), total miles, 15 (9 on foot, 6 by car and canoe). Pied-billed Grebe, 2; Water-turkey, 10; Great Blue Heron, 5; Mallard, 9; Black Duck, 2; Am. Widgeon, 4; Wood Duck, 184; Ring-necked Duck, 86; Hooded Merganser, 3; Turkey Vulture, 11; Black Vulture, 2; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Sparrow Hawk, 3; Bob-white, 48 (3 covies); Turkey, 1; Am. Coot, 10; Killdeer, 15; Wilson's Snipe, 10; Mourning Dove, 313; Ground Dove, 3; Screech Owl, 1; Horned Owl, 3; Belted Kingfisher, 2; Yellow-shafted Flicker, 40; Pileated Woodpecker, 9; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 30; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 1; Downy Woodpecker, 6; Eastern Phoebe, 9; Blue Jay, 36; Am. Crow, 37; Carolina Chickadee, 10; Tufted Titmouse, 9; Brown-headed Nuthatch, 4; Brown Creeper, 1; House Wren, 3; Winter Wren, 1; Bewick's Wren, 1; Carolina Wren, 11; Mockingbird, 14; Brown Thrasher, 25; Am. Robin, 31; Hermit Thrush, 23; Eastern Bluebird, 64; Ruby-crowned Kinglet, 20;

Loggerhead Shrike, 4; Common Starling, 116; Black and White Warbler, 1; Orange-crowned Warbler, 2; Myrtle Warbler, 100; Yellow-throated Warbler, 1; Pine Warbler, 127; Palm Warbler, 9 (Western, 7); Common Yellowthroat, 4; Eastern Meadowlark, 271; Red-winged Blackbird, 199; **Baltimore Oriole,** 1; Purple Grackle, 25; Brown-headed Cowbird, 330; Cardinal, 57; Purple Finch, 4; Pine Siskin, 2; Am. Goldfinch, 194; Eastern Towhee, 49; Savannah Sparrow, 59; Vesper Sparrow, 144; Pine-woods Sparrow, 1; Slate-colored Junco, 7; Chipping Sparrow, 157; White-throated Sparrow, 98; Fox Sparrow, 1; Swamp Sparrow, 16; Song Sparrow, 24. **Total,** 76 species (1 additional subspecies); about 3138 individuals.—Herbert L. Stoddard, Sr.

207. Cedar Key, Fla. (coast to 4 miles northeast of Sumner; pine flatwoods 20%, sand pine scrub 5%, hammock bordering salt marsh 10%, inland hammock 20%, salt marsh and mud flats 45%).—Dec. 29; 7:15 a.m. to 6 p.m. Partly overcast; temp. 70° to 80°; wind SW, 15-20 m.p.h.; continuous wind made observation very difficult; fresh-water ponds very low due to very dry period. Two observers in 1 party. Total party-hours, 11 (9 on foot, 2 by car); total party-miles, 40 (4 on foot, 36 by car). Horned Grebe, 2; White Pelican, 6; Brown Pelican, 8; Double-crested Cormorant, 350; Water-turkey, 4; Great Blue Heron, 15; Am. Egret, 15; Snowy Egret, 6; Louisiana Heron, 6; Little Blue Heron, 8; Black-crowned Night Heron, 1; Yellow-crowned Night Heron, 3; Black Duck, 2; **Greater Scaup,** 5; Lesser Scaup, 500; Buffle-head, 1; Red-breasted Merganser, 8; Turkey Vulture, 50; Black Vulture, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Marsh Hawk, 4; Osprey, 1; Sparrow Hawk, 3; Bob-white, 3; Virginia Rail, 1; Killdeer, 27; Black-bellied Plover, 4; Ruddy Turnstone, 16; Spotted Sandpiper, 4; Least Sandpiper, 125; Red-backed Sandpiper, 33; Semipalmated Sandpiper, 2; Sanderling, 12; Herring Gull, 35; Ring-billed Gull, 150; Laughing Gull, 4; Forster's Tern, 1; **Common Tern,** 18; Royal Tern, 53; Black Skimmer, 75; Mourning Dove, 18; Ground Dove, 9; Barred Owl, 1; Belted Kingfisher, 14; Yellow-shafted Flicker, 15; Pileated Woodpecker, 3; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 5; Eastern Phoebe, 6; Tree Swallow, 5; Blue Jay, 15; Am. Crow, 10; Carolina Chickadee, 1; House Wren, 2; Carolina Wren, 6; Mockingbird, 30; Catbird, 4; Brown Thrasher, 3; Am. Robin, 1200; Hermit Thrush, 1; Eastern Bluebird, 50; Blue-gray Gnatcatcher, 2; Ruby-crowned Kinglet, 8; Loggerhead Shrike, 6; **Common Starling,** 6 (first census record); Myrtle Warbler, 75; Pine Warbler, 3; Palm Warbler, 11; Common Yellowthroat, 7; House Sparrow, 5; Eastern Meadowlark, 6; Red-winged Blackbird, 75; Purple Grackle, 75; Cardinal, 25; Am. Goldfinch, 25; Eastern Towhee, 45; Grasshopper Sparrow, 1; Seaside Sparrow, 3; Vesper Sparrow, 24; Chipping Sparrow, 6; Field Sparrow, 45; White-throated Sparrow, 1; Swamp Sparrow, 6; Song Sparrow, 46. **Total,** 87 species; about 3480 individuals.—Steve B. Fickett, Jr. (compiler), John Dennis.

208. Cocoa, Fla. (diameter from ocean at Port Canaveral across Banana and Indian Rivers through Cocoa to Lake Poinsett; pine woods 46%, tidal estuaries 24%, towns and citrus groves 9%, prairie 8%, fresh water and marshes 7%, salt marshes and mangroves 3%, ocean, etc. 3%).—Dec. 28; 5:30 a.m. to 7:15 p.m. Mostly clear and mild; temp. 62° to 72°; wind S, 0-9 m.p.h.; census carefully planned, every section of circle explored repeatedly during preceding month. Nineteen observers in 9 parties. Total party-hours, 110 (94 on foot, 16 by car and jeep); total party-miles, 464 (32 on foot, 432 by car and jeep). Common Loon, 14; **Red-throated Loon,** 3 (all field marks, H. G. C. and F. W.); Horned Grebe, 72; Pied-billed Grebe, 94; White Pelican, 13; Brown Pelican, 475; Gannet, 2; Double-crested Cormorant, 900; Water-turkey, 29; **Man-o'-war-bird,** 1 (male seen by three parties); Great Blue Heron, 114; Am. Egret, 212; Snowy Egret, 610; Louisiana Heron, 344; Little Blue Heron, 150; Green Heron, 12; Black-crowned Night Heron, 17; Yellow-crowned Night Heron, 1; Am. Bittern, 5; Least Bittern, 3; Wood Ibis, 64; Glossy Ibis, 6; White Ibis, 1000+; **Canada Goose,** 4 (also seen preceding day); Mallard, 18; Black Duck, 6; Mottled Duck, 18; Gadwall, 52; Am. Widgeon, 400; Pintail, 700+; Green-winged Teal, 32; Blue-winged Teal, 142; Shoveller, 29; Redhead, 4; Ring-necked Duck, 270; Canvas-back, 150; Lesser Scaup, 30,000+; **Buffle-head,** 1 (female; male seen preceding day); Ruddy Duck, 80; **Hooded Merganser,** 28; Red-breasted Merganser, 6; Turkey Vulture, 75; Black Vulture, 22; Sharp-shinned Hawk, 5; Cooper's Hawk, 2; Red-tailed Hawk, 11; Red-shouldered Hawk, 18; Bald Eagle, 16 (9 nests, 5 incubating birds); Marsh Hawk, 28; Osprey, 3; Pigeon Hawk, 2; Sparrow Hawk, 74; Bob-white, 9; Sandhill Crane, 22 (leaving roost at dawn); **Limpkin,** 1; King Rail, 40+; Clapper Rail, 2; Virginia Rail, 4; Sora, 52; Florida Gallinule, 35; Am. Coot, 10,000+; Piping Plover, 15; Ringed Plover, 30; Wilson's Plover, 2; Killdeer, 162; Black-bellied Plover, 250; Ruddy Turnstone, 184; **Am. Woodcock,** 1 (feeding under mango tree for 2 weeks); Wilson's Snipe, 72; Spotted Sandpiper, 8; Willet, 12; Greater Yellow-legs, 42; Lesser Yellow-legs, 62; Red Knot, 3; Least Sandpiper, 41; Red-backed Sandpiper, 500; Dowitcher, 42; Semipalmated Sandpiper, 300; Western Sandpiper, 20; Marbled Godwit, 2; Sanderling, 320; **Great Black-backed Gull,** 1 (adult seen by 6 observers); Herring Gull, 172; Ring-billed Gull, 462; Laughing Gull, 124; Bonaparte's Gull, 69; Forster's Tern, 42; **Common Tern,** 2; **Least Tern,** 2 (all field marks, S. A. H. and G. C. Y.); Royal Tern, 450; Cabot's Tern, 12; Caspian Tern, 92; Black Skimmer, 473; Mourning Dove, 362; Ground Dove, 36; Barn Owl, 1; Screech Owl, 6; Horned Owl, 8; Barred Owl, 1; Short-eared Owl, 1; **Whip-poor-will,** 3 (one bird fly-catching from same limb every evening for 3 weeks); Belted Kingfisher, 104; Yellow-shafted Flicker, 78; Pileated Woodpecker, 8; Red-bellied Woodpecker, 84; Yellow-bellied Sapsucker, 8; **Hairy Woodpecker,** 3; Downy Woodpecker, 4; Red-cockaded Woodpecker, 9; Eastern Phoebe, 126; Tree Swallow, 2500+; **Barn Swallow,** 3 (one bird

in same area preceding day); Blue Jay, 72; Scrub Jay, 44; Am. Crow, 6; Fish Crow, 680; **Tufted Titmouse,** 3 (2 at feeder for 6 months); Brown-headed Nuthatch, 6; House Wren, 54; Carolina Wren, 22; Long-billed Marsh Wren, 33; Short-billed Marsh Wren, 4; Mockingbird, 152; Catbird, 52; Brown Thrasher, 6; Am. Robin, 6000+; Hermit Thrush, 4; Eastern Bluebird, 94; **Blue-gray Gnatcatcher,** 88 (highest local count); Ruby-crowned Kinglet, 78; Water Pipit, 15; Cedar Waxwing, 6; Loggerhead Shrike, 66; **Common Starling,** 150 (in stock yards); White-eyed Vireo, 3; Solitary Vireo, 4; **Black and White Warbler,** 3; **Orange-crowned Warbler,** 32 (highest local count); Parula Warbler, 2; Myrtle Warbler, 1800+; Yellow-throated Warbler, 6; Pine Warbler, 67; Prairie Warbler, 4; Palm Warbler, 475 (some Yellow Palms); Oven-bird, 2; Common Yellowthroat, 118; House Sparrow, 136; Eastern Meadowlark, 106; Red-winged Blackbird, 860; **Rusty Blackbird,** 17 (discovered preceding day in swamp); Boat-tailed Grackle, 532; Purple Grackle, 116; **Brown-headed Cowbird,** 106 (in stock yards); Cardinal, 96; Painted Bunting, 5; Am. Goldfinch, 92; Eastern Towhee, 82 (mostly White-eyed); Savannah Sparrow, 384; **Grasshopper Sparrow,** 1; Vesper Sparrow, 4; Pine-woods Sparrow, 2; Chipping Sparrow, 35; Field Sparrow, 14; **White-throated Sparrow,** 4; **Fox Sparrow,** 2, (at F. W. feeder for a week); Swamp Sparrow, 324; Song Sparrow, 26. **Total,** 167 species (2 additional subspecies); more than 66,911 individuals. In addition over 10,000 ducks, gulls, terns, and shorebirds too distant for identification. (Am. Golden-eye, Peregrine Falcon, Am. Avocet, Ruby-throated Hummingbird, Purple Martin, Brown Creeper, Sharp-tailed Sparrow seen in area week of census.)—Allan D. Cruickshank (compiler), Helen G. Cruickshank, Clara Dunbar, Robert J. Dunbar, Samuel A. Harper, Joseph C. Howell, Lydia Kayser, Katharine Lewis, William O. Lewis, Mrs. John Maxwell, Katharine Michie, Michael Oboiko, Katrina Schwenger, Bert Stinnett, Foster W. White, Loring White, Farida Wiley, Mr. and Mrs. G. C. Young (Indian River Audubon Society and guests).

209. Coot Bay—Everglades National Park, Fla. (7½-mile radius centering ½ mile northwest of Bradley Key; mangrove 15%, hammock 15%, salt prairie 25%, lakes and bays 45%).—Jan. 1; 6 a.m. to 6:30 p.m. Scattered clouds; temp. 60° to 78°; wind SE, 5-15 m.p.h. Thirty-one observers in 11 parties. Total party-hours, 84 (44½ on foot, 6 by car, 33½ by boat); total party miles, 180½ (36½ on foot, 45 by car, 99 by boat). Common Loon, 1; Pied-billed Grebe, 56; White Pelican, 316; Brown Pelican, 877; Double-crested Cormorant, 1254; Water-turkey, 16; Man-o'-war-bird, 4; Great White Heron, 315; Great Blue Heron, 172; Wurdemann's Heron (hybrid), 3 (R.P.A.); Am. Egret, 377; Snowy Egret, 438; Reddish Egret, 4; Louisiana Heron, 293; Little Blue Heron, 296; Green Heron, 63; Black-crowned Night Heron, 24; Yellow-crowned Night Heron, 13; Am. Bittern, 5; Wood Ibis, 157; White Ibis, 458; Roseate Spoonbill, 69; Am. Flamingo, 2; Mottled Duck, 56; Gadwall, 4; Pintail, 37; Green-winged Teal, 139; Blue-winged Teal, 197; Shoveller, 15; Lesser Scaup, 530; Ruddy Duck, 3; Red-breasted Merganser, 37; Turkey Vulture, 200; Black Vulture, 11; Sharp-shinned Hawk, 4; Cooper's Hawk, 4; Red-shouldered Hawk, 37; Broad-winged Hawk, 2; Short-tailed Hawk, 3 (both phases, L.A.S.); Bald Eagle, 15; Marsh Hawk, 42; Osprey, 51; Peregrine Falcon, 6; Pigeon Hawk, 5; Sparrow Hawk, 21; Clapper Rail, 1; Sora, 3; Florida Gallinule, 5; Am. Coot, 3054; Ringed Plover, 45; Wilson's Plover, 67; Killdeer, 185; Black-bellied Plover, 195; Ruddy Turnstone, 70; Long-billed Curlew, 3; Hudsonian Curlew, 4; Spotted Sandpiper, 19; Willet, 563; Greater Yellow-legs, 52; Lesser Yellow-legs, 225; Red Knot, 8; Least Sandpiper, 230; Red-backed Sandpiper, 489; Dowitcher, 411; Semipalmated Sandpiper, 1320; Western Sandpiper, 101; Marbled Godwit, 1; Sanderling, 20; Am. Avocet, 51; Herring Gull, 81; Ring-billed Gull, 36; Laughing Gull, 696; Forster's Tern, 111; Gull-billed Tern, 10; Royal Tern, 406; Cabot's Tern, 1; Caspian Tern, 113; Black Skimmer, 530; Mourning Dove, 3; Ground Dove, 10; **Mangrove Cuckoo,** 2 (L.A.S., C.T.H.); Barn Owl, 3; Screech Owl, 2; Barred Owl, 4; Whip-poor-will, 1; Ruby-throated Hummingbird, 1; Belted Kingfisher, 120; Yellow-shafted Flicker, 5; Pileated Woodpecker, 14; Red-bellied Woodpecker, 25; Yellow-bellied Sapsucker, 4; Crested Flycatcher, 34; Eastern Phoebe, 23; Tree Swallow, 885; Barn Swallow, 1; Am. Crow, 90; House Wren, 38; Carolina Wren, 3; Long-billed Marsh Wren, 5; Short-billed Marsh Wren, 7; Mockingbird, 35; Catbird, 83; Am. Robin, 113; Blue-gray Gnatcatcher, 139; Loggerhead Shrike, 1; White-eyed Vireo, 11; Solitary Vireo, 5; Black and White Warbler, 12; Orange-crowned Warbler, 16; Parula Warbler, 2; Black-throated Blue Warbler, 1; Myrtle Warbler, 1152; Yellow-throated Warbler, 6; Prairie Warbler, 19; Palm Warbler, 100; Oven-bird, 1; Northern Waterthrush, 1; Common Yellowthroat, 53; Yellow-breasted Chat, 1; Am. Redstart, 2; Eastern Meadowlark, 33; Red-winged Blackbird, 340; Boat-tailed Grackle, 7; Purple Grackle, 37; Cardinal, 47; Painted Bunting, 7; Am. Goldfinch, 113; Eastern Towhee, 2; Savannah Sparrow, 35; Grasshopper Sparrow, 1; Sharp-tailed Sparrow, 6; Field Sparrow, 1; Swamp Sparrow, 57. **Total,** 132 species (and 1 hybrid: Wurdemann's Heron); about 19,457 individuals.—Robert P. Allen, Herb Alley, L. Neil Bell, Henry P. Bennett (compiler), Pete Brandon, Robert Brandon, Sr., Robert Brandon, Jr., Charles M. Brookfield, Jan Browning, Bob Carpenter, Elaine Casteline, Mrs. R. N. Dickie, Willard Dilley, Orin Fogle, Mr. and Mrs. Tom Gilbert, Mrs. Robert Hermes, Mr. and Mrs. C. T. Hotchkiss, Judy Klinkenberg, Anne Labastille, Mrs. Alice McKenna, Mrs. E. C. Miles, Hugh Muller, Flora O'Brien, Dennis Paulson, Mary Sherwood, Mr. and Mrs. Louis A. Stimson, Eddie Rowell, William Wylie.

210. Daytona Beach, Fla. (7½-mile radius centering on southwest corner of Volusia Ave. and Beach St., west to fire tower on U. S. 92, east to limit of vision on ocean, north to Ormond Beach limits, south to Spruce Creek; beach and sand dunes 25%, pasture

21%, pine barrens 36%, residential 10%, sand bars in Halifax River 8%).—Dec. 30; 7 a.m. to 5 p.m. Clear; temp. 64° to 79°; wind SW, 8-12 m.p.h. Fifteen observers in 4 parties. Total party-hours, 38 (8 on foot, 30 by car); total party-miles, 127 (11 on foot, 116 by car). Common Loon, 17; Horned Grebe, 1; Pied-billed Grebe, 9; Brown Pelican, 341; Double-crested Cormorant, 223; Water-turkey, 2; Great Blue Heron, 86; Am. Egret, 105; Snowy Egret, 72; Louisiana Heron, 99; Little Blue Heron, 319; Yellow-crowned Night Heron, 1; Wood Ibis, 25; Mallard, 2; Black Duck, 1; Am. Widgeon, 2; Lesser Scaup, 5941; Ruddy Duck, 25; Hooded Merganser, 2; Red-breasted Merganser, 30; Turkey Vulture, 44; Black Vulture, 36; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 10; Bald Eagle, 2; Marsh Hawk, 10; Osprey, 2; Sparrow Hawk, 37; Bob-white, 9; Sora, 1; Florida Gallinule, 9; Am. Coot, 14; Ringed Plover, 4; Killdeer, 143; Black-bellied Plover, 10; Ruddy Turnstone, 59; Wilson's Snipe, 2; Dowitcher, 1; Sanderling, 373; Herring Gull, 127; Ring-billed Gull, 1056; Laughing Gull, 147; Bonaparte's Gull, 53; Forster's Tern, 12; **Common Tern,** 2; Royal Tern, 185; Caspian Tern, 2; Black Skimmer, 254; Mourning Dove, 85; Ground Dove, 31; Belted Kingfisher, 21; Yellow-shafted Flicker, 21; Pileated Woodpecker, 4; Red-bellied Woodpecker, 45; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 1; Eastern Phoebe, 40; Tree Swallow, 154; Blue Jay, 73; Scrub Jay, 5; Am. Crow, 34; Fish Crow, 680; Tufted Titmouse, 2; House Wren, 22; Winter Wren, 1; Carolina Wren, 6; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 1; Mockingbird, 203; Catbird, 36; Brown Thrasher, 2; Am. Robin, 5088; Hermit Thrush, 1; Eastern Bluebird, 48; Blue-gray Gnatcatcher, 8; Ruby-crowned Kinglet, 19; Water Pipit, 112; Loggerhead Shrike, 29; Common Starling, 78; White-eyed Vireo, 2; Solitary Vireo, 2; Black and White Warbler, 3; Orange-crowned Warbler, 7; Parula Warbler, 1; Myrtle Warbler, 478; Yellow-throated Warbler, 2; Pine Warbler, 3; Prairie Warbler, 1; Palm Warbler, 58 (2 Yellow Palms); Common Yellowthroat, 10; House Sparrow, 135; Eastern Meadowlark, 75; Red-winged Blackbird, 311; Rusty Blackbird, 2; **Brewer's Blackbird,** 1 (all field marks, F.J.A.); Boat-tailed Grackle, 3; Purple Grackle, 82; Brown-headed Cowbird, 6; Cardinal, 53; Am Goldfinch, 47; Eastern Towhee, 29; Savannah Sparrow, 28; Chipping Sparrow, 64; Field Sparrow, 7; White-throated Sparrow, 12; Swamp Sparrow, 2; Song Sparrow, 35. **Total,** 111 species (1 additional subspecies); about 18,228 individuals.—Fred J. Ackermann (compiler), Marion Adams, Rose Block, Conrad Ekdahl, Norma Ekdahl, Leon W. Fellows, Lydia Hamilton, Ed. Harding, Robt. Henderson, Fenn Holden, Kenneth Hunter, Frank James, Dennis Miller, Ann Odsted, Marie Wenberg (Halifax River Bird Club).

211. Fort Jefferson National Monument (Dry Tortugas), Fla. (seven keys covered, Garden Key to East Key, Garden Key to Loggerhead Key; mangroves, Bay Cedar, Buttonwood, brush, Australian Pine, rock, coral and sand beach).—Jan 1; 7 a.m. to 5 p.m. Partly cloudy; temp. 69° to 76°; wind E, 10-14 m.p.h. Two observers in 1 party. Total party-hours, 8¾ (4¾ on foot, 4 by boat); total party-miles, 18 (6 on foot, 12 by boat). Brown Pelican, 19; **Blue-faced Booby,** 2; **White-bellied Booby,** 8; Man-o'war-bird, 14; Peregrine Falcon, 3; Sparrow Hawk, 5; Ringed Plover, 2; Black-bellied Plover, 32; Ruddy Turnstone, 4; Willet, 2; Sanderling, 3; Herring Gull, 68; Laughing Gull, 4; Royal Tern, 279; Belted Kingfisher, 1; Myrtle Warbler, 4; Prairie Warbler, 3; Palm Warbler, 21; Savannah Sparrow, 5; Vesper Sparrow, 2. **Total,** 20 species; 481 individuals.—Mr. and Mrs. John R. DeWeese.

212. Jacksonville, Fla. (same as last year; flatwoods 16%, high pineland 9%, hammock 25%, swamp 2%, salt marsh 8%, sea beach 13%, fresh marsh 9%, sand dunes 6%, mud flats 5%, farmland 2%, suburbs 3%, pasture 2%).—Dec. 26; 6 a.m. to 7 p.m. Cloudy to overcast, widely scattered showers; temp. 52° to 71°; wind N to NE, 0-10 m.p.h. Eleven observers in 3 parties. Total party-hours, 36½ (26½ on foot, 10 by car); total party-miles, 165 (24 on foot, 141 by car). Common Loon, 3; Pied-billed Grebe, 6; Brown Pelican, 95; Gannet, 2; Double-crested Cormorant, 76; Water-turkey, 7; Great Blue Heron, 23; Am. Egret, 31; Snowy Egret, 10; Louisiana Heron, 7; Little Blue Heron, 9; Green Heron, 2; Black-crowned Night Heron, 1; Yellow-crowned Night Heron, 2; Mallard, 128; Blue-winged Teal, 4; Wood Duck, 60; Ring-necked Duck, 189; Lesser Scaup, 45; Ruddy Duck, 6; Hooded Merganser, 2; Red-breasted Merganser, 13; Turkey Vulture, 33; Black Vulture, 12; Sharp-shinned Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 3; Broad-winged Hawk, 1; Bald Eagle, 6; Marsh Hawk, 8; Sparrow Hawk, 17; Bob-white, 6; Clapper Rail, 23; Sora, 1; Florida Gallinule, 1; Am. Coot, 52; Piping Plover, 1; Ringed Plover, 4; Killdeer, 54; Black-bellied Plover, 13; Ruddy Turnstone, 125; Wilson's Snipe, 7; Spotted Sandpiper, 1; **Purple Sandpiper,** 1; Least Sandpiper, 2; Red-backed Sandpiper, 35; Semipalmated Sandpiper, 100; Western Sandpiper, 13; Sanderling, 36; Herring Gull, 460; Ring-billed Gull, 750; Laughing Gull, 146; Bonaparte's Gull, 30; Forster's Tern, 222; Royal Tern, 267; Black Skimmer, 438; Mourning Dove, 62; Ground Dove, 20; Belted Kingfisher, 26; Yellow-shafted Flicker, 70; Pileated Woodpecker, 5; Red-bellied Woodpecker, 15; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 5; Downy Woodpecker, 6; Eastern Phoebe, 25; Tree Swallow, 175; Blue Jay, 42; Am. Crow, 5; Fish Crow, 160; Carolina Chickadee, 6; Tufted Titmouse, 30; Brown-headed Nuthatch, 17; House Wren, 24; Winter Wren, 1; Carolina Wren, 14; Long-billed Marsh Wren, 2; Short-billed Marsh Wren, 1; Mockingbird, 37; Catbird, 18; Brown Thrasher, 16; Am. Robin, 347; Hermit Thrush, 7; Eastern Bluebird, 44; Blue-gray Gnatcatcher, 4; Ruby-crowned Kinglet, 29; Water Pipit, 214; Loggerhead Shrike, 42; Common Starling, 85; White-eyed Vireo, 2; Solitary Vireo, 3; Black and White Warbler, 2; Orange-crowned

Warbler, 13; Myrtle Warbler, 1500; Yellow-throated Warbler, 2; Pine Warbler, 96; Palm Warbler, 81; Common Yellowthroat, 18; House Sparrow, 16; Eastern Meadowlark, 82; Red-winged Blackbird, 332; Rusty Blackbird, 156; Boat-tailed Grackle, 20; Brown-headed Cowbird, 205; Cardinal, 46; Am. Goldfinch, 174; Eastern Towhee, 31; Savannah Sparrow, 58; Seaside Sparrow, 1; Vesper Sparrow, 25; Chipping Sparrow, 75; Field Sparrow, 56; White-throated Sparrow, 225; Fox Sparrow, 8; Swamp Sparrow, 88; Song Sparrow, 46. **Total,** 116 species; about 8512 individuals.—R. O. Albert, Charlotte Buckland, Mrs. Beatrice Cultra, Samuel A. Grimes, J. H. Hartman, Jr., Mrs. J. H. Hartman, Jr., E. W. Hopkins, Helen Kickliter, R. F. Marsh, Mrs. J. W. Whiteman, Reg. R. McKay (compiler) (Duval County Audubon Society).

213. Key West, Fla. (7½-mile radius centering on Boca Chica Key, including Key West, Stock Island, Saddlebunch Keys; mud flats 15%, mangrove swamp 10%, beaches, waterfront, and docks 50%, hammock 15%, open fields, sanctuary and golf course 10%.).—Jan. 1; 6:30 a.m. to 6:30 p.m. Partly cloudy to clear; temp. 69° to 80°; wind E, 9 m.p.h. Eight observers in 3 parties. Total party-hours, 36 (12½ on foot, 23½ by car); total party-miles, 49 (15 on foot, 34 by car). Pied-billed Grebe, 2; Brown Pelican, 90; Double-crested Cormorant, 127; Man-o'-war-bird, 14; Great White Heron, 10; Great Blue Heron, 11; Wurdemann's Heron, 1; Am. Egret, 6; Snowy Egret, 6; **Reddish Egret,** 2; Louisiana Heron, 23; Little Blue Heron, 16; Green Heron, 3; Yellow-crowned Night Heron, 7; Pintail, 3; Blue-winged Teal, 22; Red-breasted Merganser, 30; Turkey Vulture, 34; Broad-winged Hawk, 6; Marsh Hawk, 5; Osprey, 10; Sparrow Hawk, 61; Am. Coot, 9; Ringed Plover, 97; Wilson's Plover, 10; Killdeer, 47; Black-bellied Plover, 74; Ruddy Turnstone, 40; Spotted Sandpiper, 2; Willet, 2; Greater Yellow-legs, 16; Lesser Yellow-legs, 5; Least Sandpiper, 25; Dowitcher, 178; Semipalmated Sandpiper, 3; Western Sandpiper, 2; Sanderling, 15; Herring Gull, 181; Ring-billed Gull, 239; Laughing Gull, 1172; Royal Tern, 196; Caspian Tern, 5; Mourning Dove, 38; Ground Dove, 6; **Chuck-will's-widow,** 2; Ruby-throated Hummingbird, 3; Belted Kingfisher, 28; **Western Kingbird,** 6; **Scissor-tailed Flycatcher,** 4; House Wren, 4; Mockingbird, 13; Catbird, 40; Am. Robin, 3; Blue-gray Gnatcatcher, 15; Common Starling, 17; **Magnolia Warbler,** 1; Myrtle Warbler, 23; Prairie Warbler, 8; Palm Warbler, 80; Common Yellowthroat, 3; Redstart, 2; House Sparrow, 27; Red-winged Blackbird, 174; Purple Grackle, 15; Cardinal, 2; **Indigo Bunting,** 2; Painted Bunting, 4; Am. Goldfinch, 218; Savannah Sparrow, 80; Grasshopper Sparrow, 16; Chipping Sparrow, 1. **Total,** 70 species (1 additional hybrid); about 3642 individuals. (Seen in area Dec. 29: Crested Flycatcher, Barn Owl, Eastern Phoebe, Yellow-bellied Sapsucker; Jan. 9: Cattle Egret.)—Christine Bonney, Marie Cobb, Francis Hames, Mrs. Hugh Harris, Margaret Hundley (compiler), Esther Minter, Kenneth Minter, George Stevenson (Monroe County Audubon Society and guests).

214. Lower Keys (Monroe County), Fla. (keys and connecting bridges along Overseas Highway from west end of Seven Mile Bridge through Cudjoe Key; 7½-mile radius centering on Big Pine Key; beaches and sand bars with ocean and gulf 30%, salt-water ponds and mud flats 30%, mangrove swamps 20%, pine-palm forest 15%, tropical hammock 5%).—Dec. 29; 6:30 a.m. to 6:30 p.m. Clear; temp. 70° to 83°; wind SE, 5-15 m.p.h. Ten observers in 3 parties. Total party-hours, 33 (23 on foot, 10 by car); total party-miles, 77 (18 on foot, 59 by car). **Red-throated Loon,** 2; Pied-billed Grebe, 3; Brown Pelican, 19; Double-crested Cormorant, 295; Man-o'-war-bird, 11; Great White Heron, 15; Great Blue Heron, 27; Wurdemann's Heron, 1; Am. Egret, 23; Snowy Egret, 6; Louisiana Heron, 157; Little Blue Heron, 15; Green Heron, 2; Yellow-crowned Night Heron, 3; White Ibis, 13; Am. Widgeon, 2; Red-breasted Merganser, 9; Turkey Vulture, 165; Red-tailed Hawk, 1; Red-shouldered Hawk, 5; Broad-winged Hawk, 11; Bald Eagle, 1; Marsh Hawk, 12; Osprey, 9; Sparrow Hawk, 70; **Short-tailed Hawk,** 1; Piping Plover, 8; Ringed Plover, 31; Wilson's Plover, 10; Killdeer, 54; Black-bellied Plover, 74; Ruddy Turnstone, 53; Willet, 5; Greater Yellow-legs, 7; Lesser Yellow-legs, 2; Least Sandpiper, 199; Red-backed Sandpiper, 1; Dowitcher, 121; Semipalmated Sandpiper, 5; Sanderling, 26; Herring Gull, 19; Ring-billed Gull, 11; Laughing Gull, 69; Royal Tern, 603; Cabot's Tern, 1; Caspian Tern, 2; Mourning Dove, 5; Ground Dove, 7; Barn Owl, 7; **Chuck-will's-widow,** 1; Ruby-throated Hummingbird, 3; Belted Kingfisher, 33; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 2; Tree Swallow, 2; **Rough-winged Swallow,** 1; House Wren, 2; Mockingbird, 18; Catbird, 10; Blue-gray Gnatcatcher, 15; Parula Warbler, 1; Yellow-throated Warbler, 11; Prairie Warbler, 11; Palm Warbler, 106; Common Yellowthroat, 4; Red-winged Blackbird, 93; Cardinal, 12; Am. Goldfinch, 107; Savannah Sparrow, 62; Grasshopper Sparrow, 1. **Total,** 69 species (1 additional hybrid); about 2696 individuals.—Margaret Hundley, Robert Higbie, George B. Stevenson, Lois Hopwood, Beatrice Hopwood, Catherine Zeller, Adele Koto, Mrs. Guy E. Bonney, (compiler), Jane Wallin, Stephen Harty (Monroe County Audubon Society and guests).

215. Loxahatchee National Wildlife Refuge (Palm Beach Co.), Fla. (7½-mile radius centered 12 miles west of Delray Beach; fresh-water glades, sawgrass flats, lily sloughs and bayheads 70%, levees and canal banks 10%, roadsides, bean fields and pasture 10%, pine flatwoods 5%, cypress heads 5%).—Dec. 27; 7:15 a.m. to 5:15 p.m. Overcast a.m., brief showers p.m.; temp. 72° to 80°; wind SE, 10-20 m.p.h. Fourteen observers in 5 parties. Total party-hours, 38 (12 on foot, 14½ by car and jeep, 5 on horseback, 5½ by airboat, 1 by glades tractor); total party-miles, 114 (6 on foot, 52 by car and jeep, 10 on horseback, 45 by airboat, 1 by tractor). Pied-billed Grebe, 61; Double-crested Cormorant, 3; Water-turkey, 12; Great Blue Heron, 125; Am. Egret, 302; Snowy Egret, 133; Louisiana Heron, 76; Little Blue Heron, 348; Green Heron, 21; Black-crowned Night

Heron, 134; Yellow-crowned Night Heron, 3; Am. Bittern, 17; **Least Bittern,** 1 (R.A.); Wood Ibis, 36; White Ibis, 1236; Mallard, 31; Mottled Duck, 47; Gadwall, 1; Am. Widgeon, 2; Pintail, 10; Green-winged Teal, 5; Blue-winged Teal, 8; Wood Duck, 11; Ring-necked Duck, 62; Lesser Scaup, 33; Ruddy Duck, 1; Hooded Merganser, 42; Turkey Vulture, 294; Black Vulture, 29; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-shouldered Hawk, 41; **Swainson's Hawk,** 1 (C.V.B.); Bald Eagle, 6; Marsh Hawk, 56; Osprey, 3; Sparrow Hawk, 56; Bob-white, 13; Sandhill Crane, 14; Limpkin, 3; King Rail, 3; Sora, 2; **Purple Gallinule,** 2 (E.K.); Florida Gallinule, 28; Am. Coot, 646; Killdeer, 109; **Am. Woodcock,** 1 (F.J.L.); Wilson's Snipe, 24; Spotted Sandpiper, 2; Greater Yellow-legs, 32; Lesser Yellow-legs, 12; Least Sandpiper, 8; Black Skimmer, 4; Mourning Dove, 37; Ground Dove, 31; Whip-poor-will, 3; Belted Kingfisher, 50; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 18; Yellow-bellied Sapsucker, 6; Downy Woodpecker, 3; Crested Flycatcher, 5; Eastern Phoebe, 75; Tree Swallow, 781; **Rough-winged Swallow,** 3; Blue Jay, 8; House Wren, 19; Carolina Wren, 3; Long-billed Marsh Wren, 16; Short-billed Marsh Wren, 1; Mockingbird, 65; Catbird, 16; Am. Robin, 6644; Eastern Bluebird, 6; Blue-gray Gnatcatcher, 36; Ruby-crowned Kinglet, 9; Water Pipit, 12; Loggerhead Shrike, 35; Common Starling, 5; White-eyed Vireo, 9; Solitary Vireo, 4; Black and White Warbler, 2; Orange-crowned Warbler, 2; **Black-throated Blue Warbler,** 1 (♂, J.F.); Myrtle Warbler, 223; Yellow-throated Warbler, 1; Pine Warbler, 5; Prairie Warbler, 1; Palm Warbler, 433; Oven-bird, 2; Common Yellow-throat, 90; **Am. Redstart,** 1 (R.A.); House Sparrow, 46; Eastern Meadowlark, 57; Red-winged Blackbird, 372; Boat-tailed Grackle, 2850; Purple Grackle, 62; Cardinal, 43; Am. Goldfinch, 184; Eastern Towhee, 14; Savannah Sparrow, 60; Grasshopper Sparrow, 4; Pine-woods Sparrow, 1; Chipping Sparrow, 1; Swamp Sparrow, 33. **Total,** 105 species; about 16,550 individuals. (Seen in area Dec. 28-31: Horned Owl, 2; Cedar Waxwing, 1; Field Sparrow, 2; Pileated Woodpecker, 1.)—Ralph Andrews (compiler), C. V. Bowes, Jr., Don Dye, Margery Dye, Lafayette Dow, Helen Dow, A. J. Fenn, Frank Grinstead, J. B. Fleugel, Brower Hall, C. E. Knoder, J. S. Lamb, F. J. Ligas, Mrs. Frances B. Weaver (Broward County Audubon Society in cooperation with U. S. Fish and Wildlife Service).

216. Monroe, Fla. (same as previous years, 7½-mile radius centering on Monroe-Collier county line 7 miles west of Dade County line; canal banks, cypress swamp, everglades, a few small pine areas).—Dec. 28; 6.30 a.m. to 5:30 p.m. Clear with light clouds; temp. 70° to 78°; wind E to SE, 0-10 m.p.h. Fifteen observers in 8 parties till 2:30 p.m., 3 in 1 party till 5:30 p.m. Total party-hours, 67 (52 on foot, 15 by car); total party-miles, 76 (29 on foot, 47 by car). Pied-billed Grebe, 5; Double-crested Cormorant, 3; Water-turkey, 21; Great Blue Heron, 153; Am. Egret, 748; Snowy Egret, 198; Louisiana Heron, 187; Little Blue Heron, 310; Green Heron, 48; Black-crowned Night Heron, 74; Yellow-crowned Night Heron, 4; Am. Bittern, 20; Wood Ibis, 364; White Ibis, 2725; **Pintail,** 4 (D.P., N.B.); Blue-winged Teal, 1; **Wood Duck,** 6 (L.S., R.W.); Turkey Vulture, 586; Black Vulture, 41; Sharp-shinned Hawk, 3; Red-shouldered Hawk, 48; Bald Eagle, 1; Marsh Hawk, 8; Osprey, 2; Sparrow Hawk, 9; Bob-white, 1; **Sandhill Crane,** 2 (L.S., R.W.); Limpkin, 27; King Rail, 8; Sora, 6; Florida Gallinule, 59; Am. Coot, 151; Killdeer, 48; **Greater Yellow-legs,** 1 (L.A.S., R.W.); Ground Dove, 1; Barn Owl, 1; Barred Owl, 16; Whip-poor-will, 3; Belted Kingfisher, 102; Yellow-shafted Flicker, 13; Pileated Woodpecker, 8; Red-bellied Woodpecker, 67; Yellow-bellied Sapsucker, 13; Downy Woodpecker, 2; Crested Flycatcher, 35; Eastern Phoebe, 42; Tree Swallow, 220; Blue Jay, 16; Am. Crow, 96; Tufted Titmouse, 6; House Wren, 41; Carolina Wren, 44; Short-billed Marsh Wren, 1; Mockingbird, 68; Catbird, 82; Brown Thrasher, 1; Am. Robin, 717; Eastern Bluebird, 6; Blue-gray Gnatcatcher, 467; Ruby-crowned Kinglet, 4; **Cedar Waxwing,** 5 (E.T., T.T.); White-eyed Vireo, 31; **Yellow-throated Vireo,** 4 (F.O'B., A.McK., F.K., A.W.); Solitary Vireo, 7; Black and White Warbler, 21; **Orange-crowned Warbler,** 33; Parula Warbler, 2; **Black-throated Blue Warbler,** 2; (F.O.B., A. McK.); **Myrtle Warbler,** 943; Yellow-throated Warbler, 2; Pine Warbler, 3; Prairie Warbler, 11; Palm Warbler, 197; Oven-bird, 5; Common Yellowthroat, 195; **Hooded Warbler,** 1 (R.W.); **Am. Redstart,** 1 (F.O'B.); Eastern Meadowlark, 3; Red-winged Blackbird, 349; Boat-tailed Grackle, 799; Purple Grackle, 60; Cardinal, 70; Am. Goldfinch, 98; Eastern Towhee, 10; Savannah Sparrow, 4; **White-throated Sparrow,** 1 (F.O'B., A. McK.); Swamp Sparrow, 73. **Total,** 87 species; about 10,890 individuals. (Careful explanations sent for all rarities—Ed.)—Neil Bell, Eva Dickie, Gretchen Kincaid, Benjamin Kincaid, Frederick Kopf, Alice McKenna, Flora O'Brien, Dennis Paulson, Dorothy Stimson, Louis Stimson, (compiler) Elizabeth Tyson, Thomas Tyson, Alice Wainwright, Barbara Westphal, Robert Woodmansee.

217. Mont Verde (Lake Co.), Fla. (Mont Verde along shore of Lake Apopka south to pasture land and along Seaboard railroad 2 miles. Highway 455 to Ferndale camp, thence to Lake Minnehaha and Lake Minneola via Highway 17; citrus groves 25%, lake shores 35%, small pine swamps 10%, oak-pine thickets 18%, scrub oak-pine upland 12%).—Dec. 27; 7:10 a.m. to 5:10 p.m. Light fog clearing by 9 a.m.; temp. 32° to 76°; wind E to NE, 8-10 m.p.h.; sky overcast, light drizzle mid-morning and afternoon. Two observers in 1 party. Total party-hours, 9 (6 on foot, 3 by car); total party-miles, 60½ (5½ on foot, 55 by car). Pied-billed Grebe, 17; Double-crested Cormorant, 2; Water-turkey, 3; Great Blue Heron, 5; Am. Egret, 5; Snowy Egret, 2; Louisiana Heron, 3; Little Blue Heron, 5; Ring-necked Duck, 82; Lesser Scaup, 38; Turkey Vulture, 8; Black Vulture, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1;

Red-tailed Hawk, 2; Red-shouldered Hawk, 6; Bald Eagle, 2; Marsh Hawk, 2; Sparrow Hawk, 23; Bobwhite, 10; Florida Gallinule, 2; Am. Coot, 25; Killdeer, 26; Wilson's Snipe, 4; Spotted Sandpiper, 3; Herring Gull, 1; Ring-billed Gull, 40; Bonaparte's Gull, 3; Forster's Tern, 1; Mourning Dove, 33; Ground Dove, 35; Screech Owl, 1; Barred Owl, 2; Belted Kingfisher, 5; Yellow-shafted Flicker, 20; Pileated Woodpecker, 2; Red-bellied Woodpecker, 21; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 3; Eastern Phoebe, 54; Tree Swallow, 35; **Rough-winged Swallow,** 1; Blue Jay, 30; Fish Crow, 13; Tufted Titmouse, 3; House Wren, 30; Carolina Wren, 14; Long-billed Marsh Wren, 1; Mockingbird, 49; Catbird, 10; Brown Thrasher, 10; Am. Robin, 782; Hermit Thrush, 6; Eastern Bluebird, 47; Blue-gray Gnatcatcher, 26; Ruby-crowned Kinglet, 4; Water Pipit, 5; Loggerhead Shrike, 8; White-eyed Vireo, 5; Solitary Vireo, 3; Orange-crowned Warbler, 1; Myrtle Warbler, 45; Yellow-throated Warbler, 3; Palm Warbler, 125; Common Yellowthroat, 34; House Sparrow, 12; Eastern Meadowlark, 45; Red-winged Blackbird, 205; **Baltimore Oriole,** 1 (pair wintering); Boat-tailed Grackle, 1; Purple Grackle, 5; Cardinal, 55; Am. Goldfinch, 12; Eastern Towhee, 15 (White-eyed, 2); Vesper Sparrow, 3; Pine-woods Sparrow, 1; Chipping Sparrow, 158; Field Sparrow, 32; White-throated Sparrow, 20; Swamp Sparrow, 30; Song Sparrow, 24. **Total,** 81 species (1 additional subspecies); about 2409 individuals. (Seen in area Dec. 25: Black and White Warbler, Lincoln's Sparrow; Dec. 26: Crested Flycatcher, Downy Woodpecker, Pine Warbler; Dec. 28: Brown-headed Cowbird.)—Raymond J. Fleetwood (compiler), Nona J. Fleetwood.

218. Myakka River State Park, Fla. (same area as in previous years; 7½-mile radius centering on main gate on Route 72; river, small lakes and swamps 25%, woods, Live Oak and Cabbage Palm 50%, prairie and palmetto 23%, old fields 2%).—Dec. 28; 6:30 a.m. to 5:30 p.m. Clear; temp. 67° to 78°; wind SE, 2-16 m.p.h.; area very wet for third successive year. Thirty-five observers in 7 parties. Total party-hours, 69 (38 on foot, 31 by car); total party-miles, 122 (28 on foot, 94 by car). Pied-billed Grebe, 21; Double-crested Cormorant, 5; Water-turkey, 24; Great Blue Heron, 43; Am. Egret, 137; Snowy Egret, 52; Louisiana Heron, 26; Little Blue Heron, 79; Green Heron, 1; **Yellow-crowned Night Heron,** 1; Am. Bittern, 1; Wood Ibis, 2; White Ibis, 366; Mottled Duck, 94; Am. Widgeon, 167; Pintail, 116; Blue-winged Teal, 14; Lesser Scaup, 306; Turkey Vulture, 92; Black Vulture, 135; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 30 (one Insular); **Broad-winged Hawk,** 1 (M.M., E.B.); Marsh Hawk, 12; Audubon's Caracara, 2; Sparrow Hawk, 13; Bobwhite, 54; **Turkey,** 146; Sandhill Crane, 7; Am. Coot, 192; Killdeer, 83; Wilson's Snipe, 18; Willet, 3; Greater Yellow-legs, 13; Lesser Yellow-legs, 14; **Solitary Sandpiper,** 1 (Mrs. A.C.B.); Ring-billed Gull, 4; Forster's Tern, 5; Common Tern, 1; **Black Skimmer,** 2; Mourning Dove, 52; Ground Dove, 10; Screech Owl, 2; Horned Owl, 2; Barred Owl, 12; Belted Kingfisher, 15; Yellow-shafted Flicker, 18; Pileated Woodpecker, 2; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; **Eastern Kingbird,** 1 (Mrs. A.C.B.) [No previous Florida report for Nov.-Dec.-Jan., one observation for Feb.—Ed.]; **Gray Kingbird,** 2 (A.H., A.C.) [One previous report and one record for Florida in winter —Ed.]; Crested Flycatcher, 2; Eastern Phoebe, 76; empidonax (sp.) [note appended—Ed.]; Tree Swallow, 8645; **Purple Martin,** 3 (A.H.); Blue Jay, 22; Am. Crow, 59; Fish Crow, 4; Tufted Titmouse, 1; **White-breasted Nuthatch,** 1; House Wren, 5; Carolina Wren, 7; **Long-billed Marsh Wren,** 1; Mockingbird, 87; Catbird, 44; Brown Thrasher, 5; Am. Robin, 1585; Eastern Bluebird, 100; Blue-gray Gnatcatcher, 20; Ruby-crowned Kinglet, 3; Loggerhead Shrike, 34; White-eyed Vireo, 4; Solitary Vireo, 1; Black and White Warbler, 2; Myrtle Warbler, 2168; Yellow-throated Warbler, 3; Pine Warbler, 51; Palm Warbler, 120 (1 Yellow Palm); Common Yellowthroat, 4; Eastern Meadowlark, 51; Red-winged Blackbird, 929; **Rusty Blackbird,** 10; Boat-tailed Grackle, 119; Purple Grackle, 60; Cardinal, 36; Am. Goldfinch, 29; Eastern Towhee, 6; Savannah Sparrow, 27; Grasshopper Sparrow, 1; **Sharp-tailed Sparrow,** 15 (all Nelson's—M.M., C.B.); Chipping Sparrow, 2; **White-crowned Sparrow,** 1 (A.H.) [farthest south ever reported in Florida—Ed.]; Swamp Sparrow, 3; Song Sparrow, 19. **Total,** 99 species (2 additional subspecies); about 16,783 individuals. [Two Acadian Flycatchers were reported without details. As this species apparently never has been collected in the U. S. in winter, and as positive sight identification has proven virtually impossible, it seems better to list the observation as empidonax (sp.)—Ed.]—Mrs. Walter Aikman, Bob Barney, Mrs. Hartley Blackburn, Edith Bloodworth, Mr. and Mrs. A. C. Bretto, Mr. and Mrs. Talbot Brewer (compiler), Mrs. Allan R. Brown (compiler), Allan Crowley, Mrs. George Davis, Mrs. Cecil Daughtry, Paula Dillman, Mr. and Mrs. Ernest Eltinge, Mrs. F. A. Harrison, Allen Hitch, John Hullinger, Mary Belle Keefer, Mr. and Mrs. Royal Kellogg, Mrs. John Kusa, Mr. and Mrs. Wm. A. Markert, Mary Miller, Margaret Minich, Col. and Mrs. Kevin O'Shea, Mabel Phillips, Ryerson Rogers, Mrs. James M. Stifler, Mrs. George E. Taylor, Mr. and Mrs. J. T. Ward, Sara White.

219. Panacea, Fla. (same circle as in previous years, but part of Apalachee Bay covered by boat for first time; gulf beach 8%, bay shores 17%, fresh-water ponds 7%, rivers [by boat] 11%, bays and harbors [by boat] 8%, fresh-water marshes 3%, salt marshes 4%, cypress-gum swamps 3%, cultivated fields 3%, pastures and old fields 7%, pine woods 10%, hardwoods 9%, roadside [by car] 8%, residential sections 2%).—Dec. 28; 7:30 a.m. to 6:35 p.m. Partly cloudy; temp. 62° to 74°; wind SSE, 5-20 m.p.h. Twelve observers in 7 parties. Total party-hours, 59½ (39½ on foot, 6 by car, 14 by boat); total party-miles, 160 (39 on foot, 91 by car, 30 by boat). Com-

mon Loon, 70; Horned Grebe, 43; Pied-billed Grebe, 53; Brown Pelican, 1; Double-crested Cormorant, 68; Great Blue Heron, 52; Am. Egret, 30; Snowy Egret, 6; Louisiana Heron, 7; Little Blue Heron, 9; Canada Goose, 1050; Mallard, 12; Black Duck, 61; **Gadwall,** 7; **Am. Widgeon,** 25; Pintail, 340; Blue-winged Teal, 2; **Shoveller,** 9; **Wood Duck,** 265; Redhead, 4; Ring-necked Duck, 13; Greater Scaup, 10; Lesser Scaup, 510; unidentified scaup, 5330; Am. Golden-eye, 47; Buffle-head, 23; **Old-squaw,** 16 (3 parties); Ruddy Duck, 1; Hooded Merganser, 69; **Am. Merganser,** 23 (R.D.); Red-breasted Merganser, 58; Turkey Vulture, 79; Black Vulture, 35; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 9; Bald Eagle, 1; Marsh Hawk, 12; Osprey, 1; **Peregrine Falcon,** 1; Sparrow Hawk, 10; Bob-white, 7; Clapper Rail, 6; **Florida Gallinule,** 1; Am. Coot, 225; Piping Plover, 8; Snowy Plover, 6; Ringed Plover, 7; Killdeer, 60; Black-bellied Plover, 60; Ruddy Turnstone, 40; Wilson's Snipe, 2; Spotted Sandpiper, 1; **Solitary Sandpiper,** 1 (description furnished—S.R.); Willet, 110; Greater Yellow-legs, 11; unidentified yellow-legs, 1; Least Sandpiper, 10; Red-backed Sandpiper, 650; Dowitcher, 15; Semi-palmated Sandpiper, 30; Western Sandpiper, 14; Sanderling, 150; Herring Gull, 76; Ring-billed Gull, 230; Laughing Gull, 6; Forster's Tern, 25; Common Tern, 1 (S.R.); Royal Tern, 50; Caspian Tern, 5; Black Skimmer, 27; Mourning Dove, 18; Ground Dove, 11; Horned Owl, 1; Barred Owl, 2; Whip-poor-will, 1 (H.S., B.L.); Belted Kingfisher, 29; Yellow-shafted Flicker, 71; Pileated Woodpecker, 9; Red-bellied Woodpecker, 40; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 6; Downy Woodpecker, 20; Red-cockaded Woodpecker, 3; Eastern Phoebe, 31; Tree Swallow, 75; **Rough-winged Swallow,** 8 (R.D.); Blue Jay, 93; Am. Crow, 190; Fish Crow, 11; Carolina Chickadee, 75; Tufted Titmouse, 40; **Red-breasted Nuthatch,** 3 (all field marks noted; present since October; H.S. B.L.); Brown-headed Nuthatch, 36; Brown Creeper, 6; House Wren, 13; Winter Wren, 1; Carolina Wren, 19; Long-billed Marsh Wren, 8; Short-billed Marsh Wren, 5; Mockingbird, 77; Catbird, 21; Brown Thrasher, 34; Am. Robin, 690; Hermit Thrush, 16; Eastern Bluebird, 77; Blue-gray Gnatcatcher, 5; Golden-crowned Kinglet, 17; Ruby-crowned Kinglet, 124; Water Pipit, 60; Loggerhead Shrike, 13; Common Starling, 109; White-eyed Vireo, 4; Solitary Vireo, 4; Black and White Warbler, 3; Orange-crowned Warbler, 22; Myrtle Warbler, 640; Yellow-throated Warbler, 1; Pine Warbler, 20; Palm Warbler, 65 (2 races); Common Yellowthroat, 24; House Sparrow, 3; Eastern Meadowlark, 39; Red-winged Blackbird, 1380; Boat-tailed Grackle, 58; Cardinal, 92; Am. Goldfinch, 290; Eastern Towhee, 98; Savannah Sparrow, 10; Sharp-tailed Sparrow, 3; Seaside Sparrow, 14; Vesper Sparrow, 35; Pine-woods Sparrow, 3; Chipping Sparrow, 52; Field Sparrow, 175; White-throated Sparrow, 105; Swamp Sparrow, 100; Song Sparrow, 83. **Total,** 137 species (1 additional subspecies); about 15,598 individuals. (In addition 300 unidentified peep.)—Jack Champion, William H. Cross, Donald W. Dery, Richard L. Diener, Jack H. Fehon, Barbara Lund, Ronald C. Phillips, William D. Reese, Stephen M. Russell, Henry H. Stevenson (compiler), Edwin Willis, Bill Yancey.

220. Pensacola, Fla. (15-mile diameter as before; from Pensacola Beach north to Escambia River bridge, from Town Point east to Oriole Beach, from Pace Blvd. and U. S. 29 east to Escambia Bay; city and suburban 10%, open bay and bay shores 25%, scrub oak 2%, mature Live Oak and deciduous woods 18%, pine woods 17%, pastures and cut-over woods 16%, wooded swamps 2%, fresh-water ponds 6%, salt marsh 1%, gulf beach and dunes 3%).—Jan. 1; 7:15 a.m. to 5:15 p.m. Cloudy, fog in p.m.; temp. 53° to 71°; wind S, 7 m.p.h.; ground clear, water levels low or non-existent after driest year of record. Eleven observers in 3 parties. Total party-hours, 30 (15 on foot, 15 by car); total party-miles, 150 (16 on foot, 134 by car). Common Loon, 32; Horned Grebe, 73; Pied-billed Grebe, 19; Brown Pelican, 56; Gannet, 8; Double-crested Cormorant, 169; Great Blue Heron, 9; Mallard, 2; Lesser Scaup, 227; Buffle-head, 7; Red-breasted Merganser, 33; Red-shouldered Hawk, 2; Marsh Hawk, 2; Pigeon Hawk, 1; Sparrow Hawk, 17; Bob-white, 10; Clapper Rail, 4; Piping Plover, 2; Snowy Plover, 7; Killdeer, 37; Black-bellied Plover, 22; Red-backed Sandpiper, 1; Dowitcher, 1; Sanderling, 70; Herring Gull, 198; Ring-billed Gull, 264; Laughing Gull, 219; Bonaparte's Gull, 3; Forster's Tern, 7; Common Tern, 11; Royal Tern, 45; Black Skimmer, 100; Mourning Dove, 35; Belted Kingfisher, 18; Yellow-shafted Flicker, 18; Pileated Woodpecker, 1; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 2; Eastern Phoebe, 24; Blue Jay, 133; Am. Crow, 1; Fish Crow, 10; Carolina Chickadee, 7; Tufted Titmouse, 40; **Red-breasted Nuthatch,** 2 (very rare this far south; carefully studied by 4 observers); Brown Creeper, 2; House Wren, 10; Winter Wren, 1; Bewick's Wren, 4; Carolina Wren, 11; Long-billed Marsh Wren, 4; Mockingbird, 103; Catbird, 3; Brown Thrasher, 34; Am. Robin, 254; Hermit Thrush, 8; Eastern Bluebird, 17; Blue-gray Gnatcatcher, 10; Golden-crowned Kinglet, 19; Ruby-crowned Kinglet, 60; Water Pipit, 3; Cedar Waxwing, 10; Loggerhead Shrike, 48; Common Starling, 385; White-eyed Vireo, 2; Solitary Vireo, 7; Orange-crowned Warbler, 9; Myrtle Warbler, 247; Pine Warbler, 34; Palm Warbler, 8 (2 races); Common Yellowthroat, 6; House Sparrow, 148; Eastern Meadowlark, 59; Red-winged Blackbird, 2412; Purple Grackle, 1; Brown-headed Cowbird, 1; Cardinal, 36; Am. Goldfinch, 463; Eastern Towhee, 76; Savannah Sparrow, 12; Grasshopper Sparrow, 1; Seaside Sparrow, 2; Vesper Sparrow, 55; Pine-woods Sparrow, 4; Chipping Sparrow, 85; Field Sparrow, 64; White-throated Sparrow, 367; Swamp Sparrow, 17; Song Sparrow, 22. **Total,** 92 species (1 additional subspecies); about 7089 individuals. (Seen in count area Jan. 2: Am. Golden-eye, Turkey Vulture, Wilson's Plover; 3rd mid-winter record for Wilson's Plover in 39 years.)—Frank Bray, Jackie Crouch, Lyman E. Goodnight, Angus M. McMillan, Jr., Lennie E. Pate, Alan C. Sheppard, Maleta M. Wernicke,

Francis M. Weston (compiler), Geneva W. Weston, A. Frederick Wicke, Jr., Jane Wicke.

221. St. Marks, Fla. (limits of circle as in 1953, but coverage somewhat different; bay shores 11%, fresh-water and brackish lakes and ponds 12%, rivers [by canoe] 17%, bays and harbors [by boat] 6%, fresh-water marshes 3%, salt marshes 4%, cypress-gum swamps 2%, fields and pastures 4%, pine woods 4%, mixed woods 11%, hardwood forests 22%, roadside [by car] 3%, residential sections 1%).—Dec. 30; 7 a.m. to 6:30 p.m. Clear; temp. 41° to 60°; wind NNW, 2-8 m.p.h. Thirteen observers in 7-8 parties. Total party-hours, 70½ (51½ on foot, 2¾ by car, 16¼ by boat); total party-miles, 147½ (47¾ on foot, 78 by car, 21¾ by boat). Common Loon, 25; **Red-throated Loon,** 1 (small size and upcurved bill seen in good light—J.F.); Horned Grebe, 41; Pied-billed Grebe, 87; White Pelican, 15; Double-crested Cormorant, 560; **Water-turkey,** 49; Great Blue Heron, 58; Am. Egret, 90; **Snowy Egret,** 45; Louisiana Heron, 20; Little Blue Heron, 12; Green Heron, 1; Black-crowned Night Heron, 22; **Yellow-crowned Night Heron,** 1 (E.W.); Am. Bittern, 2; White Ibis, 1 (W.C., E.K.); Canada Goose, 7300; Snow Goose, 1; Blue Goose, 1; Mallard, 850; Black Duck, 130; Gadwall, 405; Am. Widgeon, 175; Pintail, 820; **Green-winged Teal,** 760; Blue-winged Teal, 17; Shoveller, 67; **Wood Duck,** 235; Redhead, 15; Ring-necked Duck, 113; Canvas-back, 30; Greater Scaup, 2; Lesser Scaup, 100; unidentified scaup, 440; Am. Golden-eye, 24; Buffle-head, 49; **Old-squaw,** 5 (J.F.); Ruddy Duck, 17; Hooded Merganser, 82; Red-breasted Merganser, 71; Turkey Vulture, 71; Black Vulture, 60; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; **Red-tailed Hawk,** 18; Red-shouldered Hawk, 18; Bald Eagle, 8; Marsh Hawk, 21; Osprey, 1; **Sparrow Hawk,** 23; **Limpkin,** 18; Clapper Rail, 8; **Virginia Rail,** 4; Sora, 1; Florida Gallinule, 9; Am. Coot, 800; Ringed Plover, 13; Wilson's Plover, 7; **Killdeer,** 67; Black-bellied Plover, 14; Ruddy Turnstone, 75; **Wilson's Snipe,** 53; **Hudsonian Curlew,** 2 (J.F.); Willet, 20; Greater Yellow-legs, 10; Lesser Yellow-legs, 1; **Least Sandpiper,** 68; Red-backed Sandpiper, 90; Dowitcher, 27; Semipalmated Sandpiper, 22; **Western Sandpiper,** 37; **Sanderling,** 40; Herring Gull, 41; Ring-billed Gull, 170; Laughing Gull, 8; Bonaparte's Gull, 2; Forster's Tern, 20; **Royal Tern,** 5; Black Skimmer, 2; Mourning Dove, 10; Ground Dove, 11; Horned Owl, 2; Barred Owl, 4; Whip-poor-will, 1 (E. W., *et al.*); Belted Kingfisher, 50; **Yellow-shafted Flicker,** 127; **Pileated Woodpecker,** 24; **Red-bellied Woodpecker,** 71; Yellow-bellied Sapsucker, 27; Hairy Woodpecker, 5; Downy Woodpecker, 29; Red-cockaded Woodpecker, 1; **Eastern Phoebe,** 116; Tree Swallow, 130; Blue Jay, 75; Am. Crow, 123; Fish Crow, 5; Carolina Chickadee, 78; Tufted Titmouse, 29; Brown-headed Nuthatch, 16; **Brown Creeper,** 19; House Wren, 17; **Winter Wren,** 16; Bewick's Wren, 1 (H.S.); Carolina Wren, 48; Long-billed Marsh Wren, 21; Short-billed Marsh Wren, 13; **Mockingbird,** 109; Catbird, 38; **Brown Thrasher,** 95; Am. Robin, 150; Hermit Thrush, 65; Eastern Bluebird, 71; Blue-gray Gnatcatcher, 16; Golden-crowned Kinglet, 28; **Ruby-crowned Kinglet,** 323; Water Pipit, 45; **Sprague's Pipit,** 1 (field marks noted; previous winter records in area—S.M.R.); Cedar Waxwing, 10; Loggerhead Shrike, 15; White-eyed Vireo, 2; Solitary Vireo, 9; Black and White Warbler, 11; **Orange-crowned Warbler,** 19; Myrtle Warbler, 1275; **Yellow-throated Warbler,** 7; Pine Warbler, 18; Palm Warbler, 13 (2 races); **Common Yellowthroat,** 79; Eastern Meadowlark, 26; Red-winged Blackbird, 365; **Rusty Blackbird,** 50; Boat-tailed Grackle, 417; **Purple Grackle,** 1100; Cardinal, 84; **Purple Finch,** 7; Pine Siskin, 1 (H.S.); **Am. Goldfinch,** 200; Eastern Towhee, 164; Savannah Sparrow, 27; Grasshopper Sparrow, 1; Sharp-tailed Sparrow, 3; Seaside Sparrow, 4; Vesper Sparrow, 9; **Pine-woods Sparrow,** 5; Chipping Sparrow, 4; Field Sparrow, 50; White-throated Sparrow, 185; **Swamp Sparrow,** 275; **Song Sparrow,** 124. **Total,** 150 species (1 additional subspecies); about 21,167 individuals. (Seen in area Jan. 2: Whistling Swan.)—Jack Champion, William H. Cross, Lou Cross, Donald W. Dery, Richard L. Diener, Jack H. Fehon, Edward J. Kuenzler, Jr., Barbara Lund, William D. Reese, Stephen M. Russell, Henry H. Stevenson (compiler), Edwin Willis, Bill Yancey.

222. St. Petersburg, Fla. (Pinellas Peninsula south of Largo; salt and fresh-water shores 70%, field and meadows 10%, roadside 10%, woods 6%, golf course 3%, dumps 1%).—Dec. 27; 7 a.m. to 5:45 p.m. Clear; temp. 61° to 70°; wind SE, 5-10 m.p.h. Twenty-four observers in 10 parties. Total party-hours, 77¼ (38 on foot, 39¼ by car); total party-miles, 257½ (34 on foot, 223½ by car). Common Loon, 6; Horned Grebe, 16; Pied-billed Grebe, 36; Brown Pelican, 528; Double-crested Cormorant, 778; Water-turkey, 8; Great Blue Heron, 93; Am. Egret, 108; Snowy Egret, 66; **Reddish Egret,** 1 (Rice); Louisiana Heron, 43; Little Blue Heron, 128; Green Heron, 5; Black-crowned Night Heron, 2; Yellow-crowned Night Heron, 32; Am. Bittern, 1; Wood Ibis, 1; White Ibis, 121; Mottled Duck, 5; Gadwall, 8; Blue-winged Teal, 3; Redhead, 3; Ring-necked Duck, 112; Lesser Scaup, 2151; Ruddy Duck, 8; Red-breasted Merganser, 51; Turkey Vulture, 163; Black Vulture, 8; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 8; Bald Eagle, 9; Marsh Hawk, 10; Osprey, 1; Sparrow Hawk, 27; Bob-white, 60; Clapper Rail, 1; Sora, 2; Florida Gallinule, 46; Am. Coot, 150; **Am. Oyster-catcher,** 5; Ringed Plover, 125; Wilson's Plover, 10; Killdeer, 112; Black-bellied Plover, 43; Ruddy Turnstone, 116; Wilson's Snipe, 8; Spotted Sandpiper, 17; **Solitary Sandpiper,** 1; Willet, 192; Lesser Yellow-legs, 3; Red Knot, 13; Least Sandpiper, 12; Red-backed Sandpiper, 95; Dowitcher, 50; Semipalmated Sandpiper, 110; Western Sandpiper, 30; Marbled Godwit, 3; Sanderling, 757; **Pectoral Sandpiper,** 1 (Dodd); Herring Gull, 451; Ring-billed Gull, 2755; Laughing Gull, 375; Forster's Tern, 196; Royal Tern, 225; Cabot's Tern, 1; Caspian Tern, 7; Black Skimmer, 304; Mourning Dove, 623; Ringed Turtle Dove, 10; Ground Dove, 31; Screech Owl, 1; Belted Kingfisher, 60; Yellow-shafted Flicker, 14; Red-bellied Woodpecker, 84;

Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 2; Eastern Phoebe, 17; Tree Swallow, 79; Blue Jay, 121; Fish Crow, 852; Tufted Titmouse, 2; House Wren, 17; Carolina Wren, 5; Long-billed Marsh Wren, 2; Short-billed Marsh Wren, 3; Mockingbird, 354; Catbird, 9; Brown Thrasher, 1; Am. Robin, 6636; Eastern Bluebird, 76; Blue-gray Gnatcatcher, 23; Ruby-crowned Kinglet, 1; Water Pipit, 3; Loggerhead Shrike, 69; Common Starling, 5; White-eyed Vireo, 2; Black and White Warbler, 2; Myrtle Warbler, 1410; Prairie Warbler, 8; Palm Warbler, 220; Common Yellowthroat, 22; House Sparrow, 101; Eastern Meadowlark, 61; Red-winged Blackbird, 1259; Boat-tailed Grackle, 319; Purple Grackle, 4; **Brown-headed Cowbird,** 150; Cardinal, 25; Am. Goldfinch, 72; Eastern Towhee, 23 (2 races); Savannah Sparrow, 66; Sharp-tailed Sparrow, 1; Swamp Sparrow, 7; Song Sparrow, 16. **Total,** 117 species (1 additional subspecies); about 23,681 individuals.—Mr. and Mrs. Barker, Mr. and Mrs. Edward Buchwald, Lt. Col. and Mrs. H. B. Dawson, Rev. and Mrs. Duncan F. Dodd, Louise Forsyth, Mrs. M. B. Hanrahan, Winnie Horne, Evie Kelly, Christie Mason, Mary Lou Mills, Daisie M. Morrison (compiler), Sally Pomeroy, May Quackenbush, Mr. and Mrs. Rice, Molly Rutherford, H. S. Slocum, Jessie Vedder, Marie G. Willson, Miss Woodworth.

223. Sarasota, Fla. (7½-mile radius same as in 1953, but ranch area east of Bee Ridge and Osprey more thoroughly covered; gulf beach 11%, bay shore 22%, residential 10%, pine woods 6%, mixed woods 6%, fresh-water ponds 5%, ranches and farmlands 40%).—Dec. 26; 5:30 a.m. to 5:30 p.m. Clear; temp. 55° to 70°; wind NE to E, 5 m.p.h. Sixteen observers in 4 parties. Total party-hours, 35 (13 on foot, 21 by car, 1 by boat); total party-miles, 119 (15 on foot, 101 by car, 3 by boat). Common Loon, 3; Pied-billed Grebe, 16; Brown Pelican, 196; Double-crested Cormorant, 64; Water-turkey, 12; Great Blue Heron, 36; Am. Egret, 56; Snowy Egret, 44; Louisiana Heron, 21; Little Blue Heron, 50; Green Heron, 2; Yellow-crowned Night Heron, 3; Am. Bittern, 1; Wood Ibis, 3; White Ibis, 35; Mallard, 3; Mottled Duck, 23; Green-winged Teal, 21; Ring-necked Duck, 4; **Canvas-back,** 1; Lesser Scaup, 27; Hooded Merganser, 2; Red-breasted Merganser, 34; Turkey Vulture, 124; Black Vulture, 28; Sharp-shinned Hawk, 4; Red-tailed Hawk, 1; Red-shouldered Hawk, 7; Bald Eagle, 9; Marsh Hawk, 6; Audubon's Caracara, 3; Sparrow Hawk, 29; Bob-white, 76; Sandhill Crane, 31; Florida Gallinule, 15; Am. Coot, 61; Ringed Plover, 12; Wilson's Plover, 4; Killdeer, 60; Black-bellied Plover, 20; Ruddy Turnstone, 7; Wilson's Snipe, 6; Spotted Sandpiper, 3; Willet, 3; Greater Yellow-legs, 3; Lesser Yellow-legs, 6; Least Sandpiper, 15; Red-backed Sandpiper, 3; Dowitcher, 23; Semipalmated Sandpiper, 17; Sanderling, 347; Herring Gull, 90; Ring-billed Gull, 377; Laughing Gull, 67; Bonaparte's Gull, 1; Forster's Tern, 8; Royal Tern, 200; Cabot's Tern, 33; Black Skimmer, 150; Mourning Dove, 21; Ground Dove, 40; Screech Owl, 1; Horned Owl, 6; Barred Owl, 9; **Ruby-throated Hummingbird,** 1; Belted Kingfisher, 20; Yellow-shafted Flicker, 9; Red-bellied Woodpecker, 44; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 2; Downy Woodpecker, 3; Eastern Phoebe, 11; Tree Swallow, 1224; Blue Jay, 43; Scrub Jay, 2; Am. Crow, 31; Fish Crow, 10; Tufted Titmouse, 12; House Wren, 3; Carolina Wren, 6; Long-billed Marsh Wren, 2; Mockingbird, 111; Catbird, 12; Brown Thrasher, 5; Am. Robin, 8500; Hermit Thrush, 1; Eastern Bluebird, 54; Blue-gray Gnatcatcher, 11; Ruby-crowned Kinglet, 9; Water Pipit, 190; Loggerhead Shrike, 53; Common Starling, 30 (W.F.S. party); White-eyed Vireo, 4; Solitary Vireo, 10; Black and White Warbler, 4; Orange-crowned Warbler, 3; Myrtle Warbler, 183; Yellow-throated Warbler, 5; Pine Warbler, 4; Prairie Warbler, 2; Palm Warbler, 235; Oven-bird, 1; Common Yellowthroat, 21; House Sparrow, 118; Eastern Meadowlark, 76; Red-winged Blackbird, 618; Boat-tailed Grackle, 61; Purple Grackle, 202; Cardinal, 46; Painted Bunting, 3; Dickcissel, 4 (Platt's feeding station); **Pine Siskin,** 1 (C.P.P., Mrs. L.K.J.) [no details—Ed.]; Am. Goldfinch, 59; Eastern Towhee, 20 (White-eyed, 7); Savannah Sparrow, 60; Chipping Sparrow, 65; Swamp Sparrow, 14; Song Sparrow, 3. **Total,** 119 species (1 additional subspecies); about 14,815 individuals.—John Buell, George Dillman, Mrs. Gilbert Herringshaw, Mr. and Mrs. Lawrence K. Jennings, Mr. and Mrs. Fred Mathews, Mr. and Mrs. Joshua B. Platt, Charles P. Preston (compiler), Frances A. Robbins, Chandler Robbins, Jr., Wilbur F. Smith, Mrs. Annie C. Sturgis, Margaret Sturgis, Mrs. Virginia Thier.

224. Tallahassee, Fla. (limits of circle as in 1953; open shores of lakes and ponds 26%, wooded shores of lakes and ponds 12%, cultivated fields 5%, pastures and old fields 18%, pine woods 10%, deciduous woods 17%, roadside [by car] 8%, residential sections 4%).— Jan. 1; 6:45 a.m. to 6:15 p.m. Clear to cloudy; temp. 49° to 74°; wind S, 0-12 m.p.h. Sixteen observers in 7-8 parties. Total party-hours, 61¼ (55¾ on foot, 5½ by car); total party-miles, 199 (51 on foot, 148 by car). Common Loon, 1 (E.K.); Horned Grebe, 1; Pied-billed Grebe, 58; **White Pelican,** 6 (2 parties); **Double-crested Cormorant,** 400; **Great Blue Heron,** 47; Am. Egret, 70; Snowy Egret, 13; Louisiana Heron, 1; **Little Blue Heron,** 55; Canada Goose, 220; **Mallard,** 115; **Black Duck,** 75; Gadwall, 6; Am. Widgeon, 70; **Pintail,** 190; Green-winged Teal, 130; Blue-winged Teal, 10; Shoveller, 3; Redhead, 1; Ring-necked Duck, 265; Canvas-back, 1; **Greater Scaup,** 1 (Greenish head reflections seen in good light at close range; H.S. *et al.*) Lesser Scaup, 160; unidentified scaup, 12; Bufflehead, 16; Ruddy Duck, 270; Hooded Merganser, 8; Turkey Vulture, 22; Black Vulture, 25; Sharp-shinned Hawk, 2; Red-tailed Hawk, 10; Red-shouldered Hawk, 10; **Broad-winged Hawk,** 1 (broad tail-bands seen, call note heard—H.C.); Bald Eagle, 4; Marsh Hawk, 9; Sparrow Hawk, 25; Bob-white, 27; Am. Coot, 180; Killdeer, 145; **Black-bellied Plover,** 2; Wilson's Snipe, 34; **Least Sandpiper,** 200; Herring Gull, 8; **Ring-billed Gull,** 410; Forster's Tern, 23; Mourning Dove, 200; Ground Dove, 15; Horned

Owl, 3; Barred Owl, 3; Belted Kingfisher, 23; **Yellow-shafted Flicker,** 152; Pileated Woodpecker, 16; **Red-bellied Woodpecker,** 80; **Red-headed Woodpecker,** 45; Yellow-bellied Sapsucker, 9; Hairy Woodpecker, 2; Downy Woodpecker, 16; Red-cockaded Woodpecker, 2; **Eastern Phoebe,** 85; Tree Swallow, 150; Blue Jay, 164; Am. Crow, 113; Fish Crow, 5; Carolina Chickadee, 58; **Tufted Titmouse,** 78; White-breasted Nuthatch, 3; **Red-breasted Nuthatch,** 2 (white line over eye, reddish underparts clearly seen; H.S., *et al.*); Brown-headed Nuthatch, 2; **Brown Creeper,** 7; House Wren, 44; Winter Wren, 3; Bewick's Wren, 1 (H.S.); Carolina Wren, 92; Short-billed Marsh Wren, 5; **Mockingbird,** 124; Catbird, 1; **Brown Thrasher,** 142; Am. Robin, 21; Hermit Thrush, 28; Eastern Bluebird, 140; Blue-gray Gnatcatcher, 18; Golden-crowned Kinglet, 27; Ruby-crowned Kinglet, 141; **Water Pipit,** 720; **Sprague's Pipit,** 4 (present since November; W.C.); Loggerhead Shrike, 35; Common Starling, 20; White-eyed Vireo, 4; Solitary Vireo, 5; Black and White Warbler, 4; Orange-crowned Warbler, 10; **Myrtle Warbler,** 270; Yellow-throated Warbler, 3; Pine Warbler, 74; Palm Warbler, 116 (2 races); Common Yellowthroat, 28; House Sparrow, 50; **Eastern Meadowlark,** 610; Red-winged Blackbird, 490; Baltimore (?) Oriole, 1 (unsatisfactory view, may have been Bullock's—H.S.); Rusty Blackbird, 4; Purple Grackle, 40; Brown-headed Cowbird, 80; Cardinal, 157; Am. Goldfinch, 180; **Eastern Towhee,** 161; **Savannah Sparrow,** 50; Vesper Sparrow, 115; Pine-woods Sparrow, 2; Slate-colored Junco, 16; **Chipping Sparrow,** 260; **Field Sparrow,** 150; White-throated Sparrow, 550; Fox Sparrow, 1; **Swamp Sparrow,** 255; **Song Sparrow,** 109. **Total,** 116 species (1 additional subspecies); about 9937 individuals. (Seen during count week: Dowitcher, Screech Owl, Pine Siskin.)—Charles Bennett, Jack Champion, William H. Cross, Sylvia A. Earle, Jack H. Fehon, Edward J. Kuenzler, Jr., Barbara Lund, Ronald C. Phillips, Sylvia Phillips, William P. Randel, Sr. and Jr., Janet Randel, William D. Reese, Henry M. Stevenson (compiler), Bill Yancey, Herbert Curl.

225. Titusville-Merritt Island, Fla. (15-mile diameter from ocean at Titusville Beach to point 3 miles west of Indian River City; north-south diameter through Merritt Island; beach 3%, lagoons and ponds with adjacent marshlands 50%, pinelands 8%, scrub 4%, palmetto-deciduous growth 2%, Indian River shores 33%).—Dec. 28; 7 a.m. to 5 p.m. Cloudy to 10:30 a.m., mostly clear later; temp. 60° to 80°; wind SE, 6-15 m.p.h. Eleven observers in 3 parties. Total party-hours, 27 (20 on foot, 7 by car); total party-miles, 182 (13 on foot, 169 by car). Common Loon, 12; Horned Grebe, 5; Pied-billed Grebe, 32; Brown Pelican, 102; Gannet, 9; Double-crested Cormorant, 45; Water-turkey, 1; Man-o'-war-bird, 1; Great Blue Heron, 36; Am. Egret, 38; Snowy Egret, 18; Louisiana Heron, 21; Little Blue Heron, 13; Green Heron, 3; Wood Ibis, 23; White Ibis, 6; Blue-winged Teal, 23; Ring-necked Duck, 2; Lesser Scaup, 1783; Turkey Vulture, 50; Black Vulture, 4; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Bald Eagle, 1; Marsh Hawk, 11; Pigeon Hawk, 1; Sparrow Hawk, 36; King Rail, 4; Sora, 1; Florida Gallinule, 9; Am. Coot, 4670; Killdeer, 20; Black-bellied Plover, 6; Ruddy Turnstone, 29; Wilson's Snipe, 1; Willet, 8; Greater Yellow-legs, 15; Sanderling, 43; Herring Gull, 70; Ring-billed Gull, 164; Laughing Gull, 9; Forster's Tern, 19; **Common Tern,** 7; Royal Tern, 97; Caspian Tern, 2; Black Skimmer, 8; Mourning Dove, 15; Ground Dove, 21; Belted Kingfisher, 22; Yellow-shafted Flicker, 28; Pileated Woodpecker, 1; Red-bellied Woodpecker, 10; Hairy Woodpecker, 1; Downy Woodpecker, 2; Eastern Phoebe, 37; Tree Swallow, 2256; Blue Jay, 11; Scrub Jay, 62; Am. Crow, 13; Fish Crow, 270; Tufted Titmouse, 4; Brown-headed Nuthatch, 1; House Wren, 10; **Winter Wren,** 1; Carolina Wren, 13; Long-billed Marsh Wren, 2; Mockingbird, 103; Catbird, 17; Am. Robin, 4464; Eastern Bluebird, 94; Blue-gray Gnatcatcher, 7; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 21; White-eyed Vireo, 2; Orange-crowned Warbler, 7; Myrtle Warbler, 754; Pine Warbler, 7; Prairie Warbler, 2; Palm Warbler, 33; Common Yellowthroat, 18; House Sparrow, 1; Eastern Meadowlark, 15; Red-winged Blackbird, 111; Boat-tailed Grackle, 40; Purple Grackle, 4; Cardinal, 29; Am. Goldfinch, 28; Eastern Towhee, 51; Savannah Sparrow, 42; Sharp-tailed Sparrow, 2; Chipping Sparrow, 47; Field Sparrow, 1; White-throated Sparrow, 9; Swamp Sparrow, 23; Song Sparrow, 30. **Total,** 95 species; about 16,203 individuals.—Fred J. Ackerman, Marion Adams, Rose Block, W. M. Davidson (compiler), Leon W. Fellows, Mr. and Mrs. Robert Mason, Mr. and Mrs. James Moody, Lucille Norton, Hall Tennis (Florida Audubon Society).

226. Ashland, Ohio (regular area at Charles Mill Dam reservoir; deciduous woods 40%, waste fields 25%, cultivated fields 5%, marsh and bushy swamps 20%, roadsides 8%, pine plantings 2%).—Dec. 26; 7:45 a.m. to 5:15 p.m. Clear to partly cloudy; temp. 35° to 50°; wind SE to SW, 0-15 m.p.h.; ground bare, partly frozen, lake frozen. Thirteen observers in 5 parties. Total party-hours, 32 (on foot); total party-miles, 40 (on foot). Mallard, 6; Black Duck, 8; **Wood Duck,** 1 (S.M.M.); Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Red-shouldered Hawk, 1; Marsh Hawk, 2; Bob-white, 73; Killdeer, 4; Wilson's Snipe, 2; Herring Gull, 1; Mourning Dove, 53; Belted Kingfisher, 4; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 17; Red-headed Woodpecker, 16; Hairy Woodpecker, 10; Downy Woodpecker, 51; Blue Jay, 29; Am. Crow, 3; Black-capped Chickadee, 158; Tufted Titmouse, 77; White-breasted Nuthatch, 49; Brown Creeper, 2; Carolina Wren, 1; Eastern Bluebird, 17; Golden-crowned Kinglet, 3; Cedar Waxwing, 3; Common Starling, 149; House Sparrow, 61; Cardinal, 78; Am. Goldfinch, 106; Slate-colored Junco, 78; Am. Tree Sparrow, 437; Field Sparrow, 6; Swamp Sparrow, 4; Song Sparrow, 85. **Total,** 37 species; about 1604 individuals.—Byron Burnett, Paul D. Harwood, Burton C. Kahl (compiler), David A. Kahl, William A. Kahl, S. M. Martin, John McCarter, Cordelia Morris, Maurice R. Newkirk, C. S. Ross, Paul Thornburg, Thomas Thornburg, Joe Yeagle.

227. **Ashtabula, Ohio** (Lake Erie shore from west of Ashtabula to Conneaut, 14 miles, most of shore inland 4 miles, equal area of uplands further south, habitat as in previous years).—Dec. 30; 7 a.m. to 6 p.m. Heavy overcast; temp. 28° to 33°; wind W to NW, 20-30 m.p.h. with gusts to 45; ground bare but intermittent needle sleet throughout day, waters unfrozen. Twenty-one observers in 7 parties. Total party-hours, 66 (46 on foot, 20 by car); total party-miles, 227 (46 on foot, 181 by car). Horned Grebe, 3; Double-crested Cormorant, 1; Mallard, 36; Black Duck, 44; Redhead, 280; Canvas-back, 252; Greater Scaup, 12; Lesser Scaup, 338; Am. Goldeneye, 234; Buffle-head, 28; Am. Merganser, 68; Red-breasted Merganser, 4; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 7; Bob-white, 8; Ring-necked Pheasant, 5; Am. Coot, 1; **Red-backed Sandpiper,** 1; Great Black-backed Gull, 2 (imm.); Herring Gull, 509; Ring-billed Gull, 78; Bonaparte's Gull, 13; Mourning Dove, 1; Horned Owl, 1 (dead); Saw-whet Owl, 1; Belted Kingfisher, 2; Hairy Woodpecker, 8; Downy Woodpecker, 6; Horned Lark, 55; Blue Jay, 6; Am. Crow, 17; Black-capped Chickadee, 53; Tufted Titmouse, 4; White-breasted Nuthatch, 4; Brown Creeper, 3; Carolina Wren, 1; Hermit Thrush, 1; Golden-crowned Kinglet, 3; Cedar Waxwing, 101; Gray Shrike, 6; Common Starling, 410; House Sparrow, 416; Cardinal, 31; Slate-colored Junco, 25; Am. Tree Sparrow, 45; Song Sparrow, 1; Lapland Longspur, 3; Snow Bunting, 3. **Total,** 50 species; about 3134 individuals. (Seen recently in area: Common Loon, Yellow-shafted Flicker, **Brown-capped Chickadee,** Am. Goldfinch, White-winged Crossbill, Evening Grosbeak, Weather perhaps most unfavorable in 20 years.)—Lawrence E. Hicks (compiler), Ernie Limes, Milton B. Trautman, Audrey Claugus, David W. Blyth, Paul H. Savage, Dwight E. Euverard, Howard E. Blakeslee, A. E. Headley, Dorland Blackman, Bernard E. Budd, Patrick Evans, Ira M. Ringer, Harold R. Miller, John Parker, Frank, Eloise and Peggy Yocum, Dixie Shiflet, Janet Rushton, Roland Evans.

228. **Brecksville, Ohio** (center route 82 and Cuyahoga River, territory as in 1949-51 but less coverage; river valley 50%, town suburbs 10%, woodlands 10%, open farmlands 30%).—Dec. 31; 9 a.m. to 4 p.m. Clear; temp. 33° to 44°; wind S, 12 m.p.h.; ground bare, river and canal open. Two observers in 1 party, 4 others near feeding stations. Total party-hours, 18 (5 on foot, 4 by car, 9 at feeding stations; total party-miles, 54 (5 on foot, 49 by car). Hairy Woodpecker, 5; Downy Woodpecker, 18; Blue Jay, 5; Am. Crow, 2; Black-capped Chickadee, 37; Tufted Titmouse, 16; White-breasted Nuthatch, 19; Winter Wren, 1; Carolina Wren, 1; Eastern Bluebird, 2; Golden-crowned Kinglet, 4; Common Starling, 115; House Sparrow, 159; Cardinal, 23; Purple Finch, 8; Am. Goldfinch, 7; Slate-colored Junco, 12; Am. Tree Sparrow, 48; Song Sparrow, 4. **Total,** 19 species; about 486 individuals. (Lack of waterbirds and hawks unusual.)—Mrs. John Cook, Mrs. L. M. Hostetler, Mrs. R. J. Kutler, Mrs. R. R. Cull, Don Hinman, Merit Skaggs (compiler).

229. **Buckeye Lake, Ohio** (about same area as in past 29 years; deciduous woodlands 60%, open farmland 30%, brushy swamp and cattail marsh 10%).—Dec. 26; 7 a.m. to 5 p.m. Fair in a.m., cloudy in p.m.; temp. 30° to 52°; wind variable, 0-8 m.p.h.; ground unfrozen and without snow, lake covered with ice except for small open lead, canal and streams mostly free of ice. Twenty-two observers in 4 parties. Total party-hours, 39 (27 on foot, 12 by car); total party-miles, 132 (36 on foot, 96 by car). Common Loon, 1; Great Blue Heron, 1; Mallard, 487; Black Duck, 262; Am. Widgeon, 2; Pintail, 2; Green-winged Teal, 1; Lesser Scaup, 2; Hooded Merganser, 1; Am. Merganser, 1; Turkey Vulture, 1; Cooper's Hawk, 6; Red-tailed Hawk, 11; Red-shouldered Hawk, 7; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 3; Sparrow Hawk, 24; Bob-white, 132; Ring-necked Pheasant, 7; Killdeer, 2; Mourning Dove, 329; Barn Owl, 4; Screech Owl, 1; Horned Owl, 1; Snowy Owl, 1; Barred Owl, 8; Short-eared Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 68; Pileated Woodpecker, 7; Red-bellied Woodpecker, 38; Red-headed Woodpecker, 61; Hairy Woodpecker, 14; Downy Woodpecker, 115; Horned Lark, 273; Blue Jay, 142; Am. Crow, 16; **Black-capped Chickadee,** 7; Carolina Chickadee, 213; Tufted Titmouse, 130; White-breasted Nuthatch, 122; Red-breasted Nuthatch, 6; Brown Creeper, 30; Winter Wren, 5; Carolina Wren, 49; Long-billed Marsh Wren, 1; Mockingbird, 7; Am. Robin, 26; Hermit Thrush, 1; Eastern Bluebird, 25; Golden-crowned Kinglet, 43; Water Pipit, 5; Cedar Waxwing, 1; Gray Shrike, 1; Loggerhead Shrike, 1; Common Starling, 901; Myrtle Warbler, 2; House Sparrow, 2246; Eastern Meadowlark, 26; Red-winged Blackbird, 3; Rusty Blackbird, 131; Purple Grackle, 5; Brown-headed Cowbird, 6; Cardinal, 222; Pine Siskin, 1; Am. Goldfinch, 131; Eastern Towhee, 10; Slate-colored Junco, 197; **Oregon Junco,** 1; Am. Tree Sparrow, 787; Field Sparrow, 2; **White-crowned Sparrow,** 3; White-throated Sparrow, 3; Fox Sparrow, 2; Swamp Sparrow, 27; Song Sparrow, 249; Lapland Longspur, 2; Snow Bunting, 12. **Total,** 79 species; about 7680 individuals. (First record in 32 years of Black-capped Chickadee, second winter record of White-crowned Sparrow; both Gray and Loggerhead Shrikes collected.)—Clarence Bateman, Arthur C. Borror, Donald J. Borror, Audrey H. Claugus, George Cox, Kenneth Danter, Charles R. Goslin, Lawrence E. Hicks, Winn Jones, Jack Kamer, Robert Kavanagh, Arthur Kiefer, Ernest Limes, Irvin Rickly, Samuel S. Ristich, John Shover, Paul Stewart, Rod Suthers, Milton B. Trautman (compiler), Walter A. Tucker, George S. Wolfram, Edgar Work.

230. **Bucyrus, Ohio** (Kuehnle, Cook, and Rexroth farms southeast of city to intersection of Mt. Vernon Rd. and Galion Rd.; mixed deciduous woods 45%, wooded bottomlands 40%, cultivated fields 15%).—

Dec. 27; 9 a.m. to 5 p.m. Heavy overcast, fields bare; temp. 30° to 40°; wind S, 5-10 m.p.h. Two observers in 1 party. Total party-hours, 7 (6 on foot, 1 by car); total party-miles, 21 (17 on foot, 4 by car). Red-tailed Hawk, 1; Sparrow Hawk, 1; Bob-white, 43; Screech Owl, 1; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 14; Red-headed Woodpecker, 59; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 9; Horned Lark, 8; Blue Jay, 48; Black-capped Chickadee, 53; Tufted Titmouse, 45; White-breasted Nuthatch, 25; Brown Creeper, 5; Golden-crowned Kinglet, 3; Common Starling, 327; House Sparrow, 375; Red-winged Blackbird, 10; Brown-headed Cowbird, 8; Cardinal, 12; Pine Siskin, 2; Am. Goldfinch, 12; Slate-colored Junco, 28; Am. Tree Sparrow, 38; Song Sparrow, 10. **Total,** 27 species; about 1147 individuals.—Judith Ann Kuehnle, Paul Kuehnle (compiler).

231. Cadiz, Ohio (15 miles west to Tappan Lake, yards, thickets and woodlands adjoining town, extensive coverage of wooded hillsides and farm fields, including area of past 54 years; open country 35%, deciduous woodland 25%, lake shore 15%, swamp and stream borders 10%, yards 10%, pine groves 5%). —Dec. 26; 7:30 a.m. to 6 p.m. Clear; temp. 28° to 50°; wind 0-5 m.p.h.; ground bare, streams open, lake ice-covered. Nine observers in 1-3 parties. Total party-hours, 19 (13 on foot, 6 by car); total party-miles, 81 (8 on foot, 73 by car). Mallard, 20; Black Duck, 120; Cooper's Hawk, 3; Red-tailed Hawk, 4; Sparrow Hawk, 7; Am. Coot, 5; Mourning Dove, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Pileated Woodpecker, 3; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 17; Blue Jay, 4; Am. Crow, 19; Carolina Chickadee, 54; Tufted Titmouse, 21; White-breasted Nuthatch, 36; Carolina Wren, 15; Mockingbird, 1; Am. Robin, 4; Eastern Bluebird, 11; Golden-crowned Kinglet, 2; Common Starling, 173; House Sparrow, 159; Cardinal, 50; Am. Goldfinch, 8; Slate-colored Junco, 77; Am. Tree Sparrow, 66; Song Sparrow, 20. **Total,** 32 species; about 918 individuals.—Harry B. McConnell, John G. Worley (compiler), David E. Worley, Mary R. Ford, Tom Ford, L. Milton Ronsheim, Clara Worley, Harold Haverfield, Greg Burneson.

232. Carrollton, Ohio (4½-mile radius centered on Route 39 SW of Carrollton, including Atwood Reservoir to NE edge of Carrollton; pasture 10%, town suburbs 5%, elm-sycamore woods 40%, marsh areas 20%, open water 25%).—Jan. 2; 10 a.m. to 5 p.m. Clear; temp. 40° to 55°; wind SSW to W, 15-20 m.p.h.; water open, ground thawing. Five observers in 1 party. Total party-hours, 7 (6 on foot, 1 by car); total party-miles, 36 (4 on foot, 32 by car). Mallard, 29; Black Duck, 35; Pintail, 7; Am. Golden-eye, 4; Am. Merganser, 4; Cooper's Hawk, 1; Red-tailed Hawk, 1; Mourning Dove, 1; Screech Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 3; Horned Lark, 2; Blue Jay, 10; Am. Crow, 2; Carolina Chickadee, 14; Tufted Titmouse, 4; White-breasted Nuthatch, 3; Carolina Wren, 4; Am. Robin, 1; Eastern Bluebird, 8; Common Starling, 85+, House Sparrow, 70+; Cardinal, 35; Am. Goldfinch, 7; Am. Tree Sparrow, 13; Field Sparrow, 7; Song Sparrow, 13. **Total,** 30 species; about 368 individuals.—Marion L. Hundley (compiler), Mr. and Mrs. Robert McCullough, Loy Buehler, James Iler.

233. Cincinnati, Ohio (same area as last year).—Jan. 2; 7 a.m. to 5:30 p.m. Clear; temp. 38° to 46°; wind SW to NW, 3-11 m.p.h.; ponds open, rivers full. Fifty-nine observers in 8 parties. Total party-hours, 125 (97 on foot, 24 by car, 4 by canoe); total party-miles, 375 (109 on foot, 258 by car, 8 by canoe). Pied-billed Grebe, 2; Great Blue Heron, 9; **Blue Goose,** 48; Mallard, 92; Black Duck, 36; **Blue-winged Teal,** 1; Redhead, 2; Lesser Scaup, 2; Red-breasted Merganser, 3; Cooper's Hawk, 12; Red-tailed Hawk, 19; Red-shouldered Hawk, 15; Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 33; Bob-white, 273 (21 coveys); Am. Coot, 4; Killdeer, 7; Wilson's Snipe, 2; Herring Gull, 2; Ring-billed Gull, 1; Mourning Dove, 622; Barn Owl, 1; Screech Owl, 2; Barred Owl, 10; **Saw-whet Owl,** 1; Belted Kingfisher, 9; Yellow-shafted Flicker, 133; Red-bellied Woodpecker, 103; Red-headed Woodpecker, 134; Yellow-bellied Sapsucker, 11; Hairy Woodpecker, 21; Downy Woodpecker, 376; Horned Lark, 162; Blue Jay, 155; Am. Crow, 10,324; Carolina Chickadee, 756; Tufted Titmouse, 502; White-breasted Nuthatch, 26; Red-breasted Nuthatch, 21; Brown Creeper, 14; Winter Wren, 3; Carolina Wren, 299; Mockingbird, 19; Am. Robin, 1320; Hermit Thrush, 1; Eastern Bluebird, 196; Golden-crowned Kinglet, 16; Cedar Waxwing, 209; Common Starling, 1926; Myrtle Warbler, 52; Palm Warbler, 1; House Sparrow, 1917; Eastern Meadowlark, 120; Red-winged Blackbird, 15; Purple Grackle, 14; Cardinal, 840; Purple Finch, 11; Am. Goldfinch, 1168; Eastern Towhee, 137; Savannah Sparrow, 21; Vesper Sparrow, 2; Slate-colored Junco, 1683; Am. Tree Sparrow, 682; Chipping Sparrow, 1; Field Sparrow, 42; White-crowned Sparrow, 21; White-throated Sparrow, 180; Fox Sparrow, 1; **Lincoln's Sparrow,** 1 [no details—Ed.]; Swamp Sparrow, 68; Song Sparrow, 1025; Lapland Longspur, 1. **Total,** 73 species; about 25,941 individuals. (Seen in area Dec. 26: Sharp-shinned Hawk, Eastern Phoebe, Long-billed Marsh Wren, Migrant Shrike, 3; Pine Siskin, 6.)—Gordon Acomb, Ronald Austing, Mary Lou Bagel, W. Benway, Gretchen Bohlander, Elizabeth Braunecker, Mr. and Mrs. Gifford Briggs, Louise Brinkman, Elizabeth Brockschlager, Ralph Carpenter, Cecil Chambers, Victor Coles, Mr. and Mrs. Richard Deupree, Jr., Paul Feist, Harrison Field, Earl Floyd, Scott Gallagher, Woodrow Goodpaster, Mr. and Mrs. R. Gardner Griffin, David Griffin, Paul Hellmann, W. Hewett, Joseph Higgins, Carl Hilker, Allen Johnson, Myron Johnson, Jr., Ed. Johnstone, Emerson Kemsies, Don Koehler, Robert Kuntz, Karl Maslowski, W. Mers, Eleanor Morrison, Mike Nauer, Roland Oliver, Warren Parks, Worth Randle, Mr. and Mrs. Stanley Rowe, Jr., Stanley Rowe, Sr., Sven Sjodahl (compiler), Vic Sloane, Anna Lou Smethurst, Jim

Staab, Aida, Bernice and Hester Stephenson, Ida Suttman, Gil Symons, C. J. Taylor, Jim Upson, Mr. and Mrs. R. Vaupel, Virginia Watts, Mitchell Zavon, Jack Zimmerman (Cincinnati Bird Club and friends).

234. Cleveland, Ohio (same area as previous 5 years).—Dec. 26; 8 a.m. to 5:15 p.m. Clear; temp. 38° to 52°; wind SSE to S, 9-12 m.p.h.; snow in patches, ponds and lakes frozen (except Lake Erie), streams open. Thirty-four observers in 15 parties. Total party-hours, 71½ (35½ on foot, 36 by car); total party-miles, 364 (43 on foot, 321 by car). Horned Grebe, 15; Double-crested Cormorant, 1; Great Blue Heron, 1; Mallard, 290+; Black Duck, 285; Redhead, 3; Ring-necked Duck, 1; Lesser Scaup, 221; Am. Golden-eye, 21; Buffle-head, 1; Ruddy Duck, 7; Hooded Merganser, 4; Am. Merganser, 16; Red-breasted Merganser, 61; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Sparrow Hawk, 6; Ruffed Grouse, 2; Bob-white, 67; Ring-necked Pheasant, 1; Am. Coot, 3; Herring Gull, 40; Ring-billed Gull, 513; Bonaparte's Gull, 352+; Mourning Dove, 32; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 3; Pileated Woodpecker, 3; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 19; Downy Woodpecker, 84; Blue Jay, 130; Am. Crow, 11; Black-capped Chickadee, 302; Tufted Titmouse, 73; White-breasted Nuthatch, 84; Red-breasted Nuthatch, 28; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 2; Am. Robin, 7; Eastern Bluebird, 1; Golden-crowned Kinglet, 5; Cedar Waxwing, 73; Gray Shrike, 2; Common Starling, 649; House Sparrow, 773; Cardinal, 121; Evening Grosbeak, 4; **Pine Grosbeak,** 21; Common Redpoll, 13; Am. Goldfinch, 26; Eastern Towhee, 1; Slate-colored Junco, 138; Am. Tree Sparrow, 103; White-throated Sparrow, 1; Song Sparrow, 12. **Total,** 62 species; about 4653 individuals.—J. F. Akers, L. P. Barbour, Mrs. R. S. Booth, Vera Carrothers, Leo Deininger, Adela Gaede, C. F. Hamann, Constance Hamann, Jack Hannan, Christine Hannan, John Hannan, Neil Henderson, R. W. Hill, Emerson Kemsies, C. H. Knight, D. M. McConoughey, F. P. McConoughey, Robert Maly, Lucille Mannix, Margaret Perner, Jerry Piskac, Marjorie Ramisch, Margaret Raynes, B. C. Raynes, Francis Sherwin, Ray Smiley, Mike Stasko, Bob Sullivan, David Swetland, David Swetland, Jr., Elliot Trainer, Ann Uible, Gene Wachtel, Joel Wachtel.

235. Columbus, Ohio (7½-mile radius centering near Fifth and Cassady Aves.; farmland 45%, town suburbs 18%, woodland 17%, wooded stream bank 17%, open grove 3%).—Dec. 28; 7 a.m. to 4:30 p.m. Rain all day; temp. 52° to 56°; wind SSE, 8-16 m.p.h.; ground bare, streams open. Nineteen observers in 7 parties, these subdividing on occasion. Total party-hours, 76 (63 on foot, 13 by car); total party-miles, 172 (48 on foot, 124 by car). Great Blue Heron, 5; Mallard, 542; Black Duck, 1077; Am. Golden-eye, 28; Buffle-head, 1; Hooded Merganser, 2; Am. Merganser, 2; Cooper's Hawk, 3; Red-tailed Hawk, 18; Red-shouldered Hawk, 5; Marsh Hawk, 2; Sparrow Hawk, 24; Bob-white, 38; Ring-necked Pheasant, 3; Mourning Dove, 151; Long-eared Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 42; Pileated Woodpecker, 1; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 9; Hairy Woodpecker, 10; Downy Woodpecker, 90; Horned Lark, 23; Blue Jay, 51; Am. Crow, 30; Black-capped and Carolina Chickadee, 267; Tufted Titmouse, 157; White-breasted Nuthatch, 61; Red-breasted Nuthatch, 8; Brown Creeper, 33; Winter Wren, 2; Carolina Wren, 29; Am. Robin, 32; Eastern Bluebird, 11; Golden-crowned Kinglet, 9; Common Starling, 669; Myrtle Warbler, 1; House Sparrow, 728; Eastern Meadowlark, 20; Red-winged Blackbird, 23; Rusty Blackbird, 2; Purple Grackle, 2; Cardinal, 234; Am. Goldfinch, 49; White-winged (?) Crossbill, 8; Eastern Towhee, 1; Slate-colored Junco, 158; Am. Tree Sparrow, 209; Field Sparrow, 3; Fox Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 123; Lapland Longspur, 2. **Total,** 55 species; about 5013 individuals. (Crossbills not definitely identified on day of count, subsequently well seen at same station; substantial proportion of chickadees definitely Black-capped, first recorded on Columbus count.)—A. H. Claugus, George Cox, William Gorman, Marie Greider, L. E. Hicks, Mr. and Mrs. A. S. Kiefer, Ernie Limes, J. W. Price, C. R. Reese, Mr. and Mrs. E. F. Reichelderfer, Mr. and Mrs. I. B. Rickly, P. A. Stewart, Mr. and Mrs. E. S. Thomas (compilers), N. P. Thomson, W. A. Tucker (Columbus Audubon Society).

236. Cuyahoga Falls, Ohio (7½-mile radius centering on square of Cuyahoga Falls, same area as last year; deciduous woods 30%, lakes and lake shores 20%, flood plain woods 15%, fields 15%, feeding stations 10%, swamps and stream banks 5%, city streets 5%).—Jan. 1; 7 a.m. to 5:30 p.m. Scattered clouds, light rain p.m.; temp. 25° to 46°; wind SE to SW, 0-5 m.p.h., ground bare, Cuyahoga River, Summit Lake and Silver Lake open, other lakes partly open. Twenty-six observers in 14 parties. Total party-hours, 72 (42 on foot, 21 by car, 9 at feeding stations); total party-miles, 213 (37 on foot, 176 by car). Horned Grebe, 4; Pied-billed Grebe, 18; Mallard, 126; Black Duck, 365; Pintail, 5; Ring-necked Duck, 1; Lesser Scaup, 1; Am. Golden-eye, 10; Buffle-head, 2; Ruddy Duck, 5; Hooded Merganser, 1; Am. Merganser, 5; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 4; Bob-white, 70; Ring-necked Pheasant, 13; Am. Coot, 33; Mourning Dove, 3; Screech Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 65; Blue Jay, 101; Am. Crow, 8; Black-capped Chickadee, 204; Tufted Titmouse, 67; White-breasted Nuthatch, 48; Red-breasted Nuthatch, 1; Brown Creeper, 5; Carolina Wren, 1; Am. Robin, 6; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 1; Cedar Waxwing, 10; Common Starling, 1195; House Sparrow, 783; Brown-headed Cowbird, 4; Cardinal, 136; Am. Goldfinch, 46; Slate-colored Junco, 154; Am. Tree Sparrow, 202; White-crowned Sparrow, 1 [no details—Ed.]; White-throated Sparrow, 1; Song Sparrow, 20. **Total,** 49 species; about 3745 individuals. [A Wood Pewee was

reported without details and not even underlined as being unusual—Ed.]—Mrs. Elmer Adams, Mr. and Mrs. George R. Dennis, James Dennis, Ralph W. Dexter (compiler), Mr. and Mrs. Paul Douglas, Mrs. C. C. Gardner, Carlin F. Gibbs, Mrs. Mary P. Gibson, Stanley Guise, Mrs. Ernest G. Harmon, Mrs. Donato Internoscia, Barbara King, Mrs. G. H. Leathers, Lynn McClanahan, Gertrude Rennecker, Fred S. Ruckman, H. L. Rupert, Martin Smith, Lulu I. Smith, Mrs. W. L. Snyder, Mr. and Mrs. Fred C. Staiger, Mr. and Mrs. George Wiley (Cuyahoga Falls Audubon Club).

237. Dayton, Ohio (nearly same area as in past 24 years).—Dec. 26; 7 a.m. to 6 p.m. Nearly clear; temp. 32° to 52°; wind SW, 14-29 m.p.h.; ground bare, streams open, some ice in lakes. Thirty-eight observers in 11 parties. Total party-hours, 56 (44 on foot, 12 by car); total party-miles, 223 (43 on foot, 180 by car). Great Blue Heron, 4; **Black-crowned Night Heron,** 12; Mallard, 256; Black Duck, 148; Am. Widgeon, 3; Blue-winged Teal, 2 [no details—Ed.]; Wood Duck, 2; Ring-necked Duck, 3; **Canvasback,** 2; Lesser Scaup, 3; Am. Golden-eye, 1; Sharp-shinned Hawk, 2; Cooper's Hawk, 6; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk. 7; Bob-white, 120; Ring-necked Pheasant, 10; Killdeer, 1; **Am. Woodcock,** 1 (C.O.H.); Mourning Dove, 124; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 15; Yellow-shafted Flicker, 47; Red-bellied Woodpecker, 10; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 119; Horned Lark, 31; Blue Jay, 39; Am. Crow, 234; **Black-capped Chickadee,** 43 (C.O.H.); Carolina Chickadee, 238; Tufted Titmouse, 157; White-breasted Nuthatch, 51; Red-breasted Nuthatch, 1; Brown Creeper, 32; Winter Wren, 2; Carolina Wren, 32; Mockingbird, 6; Am. Robin, 37; Eastern Bluebird, 15; Golden-crowned Kinglet, 4; Cedar Waxwing, 8; Common Starling, 10,484; House Sparrow, 2640 (2100 at roost); Eastern Meadowlark, 14; Purple Grackle, 1; Cardinal, 159; Am. Goldfinch, 17; Eastern Towhee, 1; Slate-colored Junco, 295; Am. Tree Sparrow, 67; Swamp Sparrow, 1; Song Sparrow, 73. **Total,** 57 species; about 15,597 individuals.—Mervil Anthony, Skipper Bohme, David Beach, Henry Bielstein, Mr. and Mrs. Ben Blincoe (compilers), Tillie Binken, Charles Breish, Florence Clippinger, Mr. and Mrs. Leonard Confer, Jack Confer, Dorothea Eikenbary, Jim Gessaman, Catharine Hadeler, C. O. Horst, Elizabeth Grill, Mr. and Mrs. R. James, E. J. Koestner, Jack Lambert, Ned Lewis, Margaret Morrison, Kenneth Meyers, Judy Meyers, Mr. and Mrs. Robert Prager, Ralph Scott, Bert Smith, Glenn Smith, Lee Smith, Walter Smith, Dorothy Somers, Lulu Tinnerman, Herbert Tweedie, Mr. and Mrs. Yeasel, Denny Prager (Dayton Audubon Society).

238. Delaware, Ohio (same area as last year).—Dec. 30; 8 a.m. to 5 p.m. Cloudy, light drizzle in a.m.; temp. 35° to 40°; wind NW, 10-20 m.p.h.; ground bare and thawed, lake open. Nine observers in 4 parties. Total party-hours, 31 (30 on foot, 1 by car); total party-miles, 47 (37 on foot, 10 by car). Mallard, 80; Black Duck, 58; Am. Golden-eye, 2; Cooper's Hawk, 4; Red-tailed Hawk, 3; Bald Eagle, 1; Marsh Hawk, 2; Bob-white, 76; Ring-necked Pheasant, 7; Herring Gull, 11; Mourning Dove, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 4; Hairy Woodpecker, 12; Downy Woodpecker, 39; Horned Lark, 3; Blue Jay, 22; Am. Crow, 1; **Black-capped Chickadee,** 62 (3 collected next day); Carolina Chickadee, 38; (undifferentiated chickadees, 182); Tufted Titmouse, 57; White-breasted Nuthatch, 29; Brown Creeper, 9; Winter Wren, 2; Carolina Wren, 1; Am. Robin, 2; Golden-crowned Kinglet, 6; Common Starling, 2264; House Sparrow, 40; Eastern Meadowlark, 4; Red-winged Blackbird, 5; Rusty Blackbird, 3; Cardinal, 94; Am. Goldfinch, 28; Slate-colored Junco, 132; Am. Tree Sparrow, 2024; Swamp Sparrow, 13; Song Sparrow, 159. **Total,** 39 species; about 5488 individuals. (Seen in area during period: Hooded Merganser, Field Sparrow, Myrtle Warbler.)—A. S. Bradshaw, G. W. Cox (compiler), John Henderson, D. P. Irish, J. H. Lancaster, John Shover, W. D. Stull, R. A. Suthers, D. M. Triplehorn.

239. East Liverpool, Ohio-Pa. (Little Beaver Creek, West Fork from Morgan Monument to West Point, Middle Fork from Elkton to Williamsport, main stream from Fredericktown to Ohio River; Little Yellow Creek and tributaries; 7½-mile radius centered ½ mile north of junction of Rt. 30 and Rt. 7; gorges with mixed deciduous-evergreen forest 88%, brushland 6%, open fields 6%).—Jan. 1; 7:30 a.m. to 4:20 p.m. Partly cloudy, clearing by 8:30, overcast by mid-afternoon; temp. 30° to 52°; wind SW, 1-7 m.p.h.; ground bare, streams open, thin ice on beaver ponds. Six observers in 4 parties. Total party-hours, 26½ (24 on foot, 2½ by car); total party-miles, 59 (44 on foot, 15 by car). Cooper's Hawk, 1; Red-tailed Hawk, 1; **Broad-winged Hawk,** 2 (birds together; observer familiar with species; much smaller than Red-shouldered Hawk, no "window-patches" in wings—R.O.M.); Marsh Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 11; Bob-white, 3; Screech Owl, 4; Belted Kingfisher, 5; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 7; Hairy Woodpecker, 17; Downy Woodpecker, 20; Horned Lark, 8; Blue Jay, 2; Am. Crow, 14; chickadee, 90 (54 Black-capped and 32 Carolina identified); Tufted Titmouse, 94; White-breasted Nuthatch, 27; Brown Creeper, 3; Winter Wren, 2; Carolina Wren, 30; Am. Robin, 1; Golden-crowned Kinglet, 5; Cedar Waxwing, 2; Common Starling, 242; House Sparrow, 415; Cardinal, 87; Am. Goldfinch, 19; Slate-colored Junco, 124; Am. Tree Sparrow, 202; Field Sparrow, 16; Song Sparrow, 45. **Total,** 35 species, about 1505 individuals.—William C. Baker (compiler), Mr. and Mrs. Roy A. Booth, Ernest Guindon, Albert T. Hartley, Raymond O. Marshall (Salem Bird Study Club).

240. Hamilton, Ohio (same territory as last 35 years; open farmland 40%, wood patches 30%, along river 15%, weedy fields 15%).—Dec. 26; 8 a.m.

to 5 p.m. Ground bare; temp. 28° to 48°; wind SSW, 10 m.p.h. Two observers in 1 party. Total hours, 9 (6 on foot, 3 by car); total miles, 48 (8 on foot, 40 by car). Pied-billed Grebe, 2; Great Blue Heron, 2; Black-crowned Night Heron, 8; Black Duck, 11; Am. Merganser, 4; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 8; Bob-white, 8; Killdeer, 10; Wilson's Snipe, 4; Mourning Dove, 87; Barred Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 19; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 20; Horned Lark, 18; Blue Jay, 11; Am. Crow, 132; Carolina Chickadee, 52; Tufted Titmouse, 36; White-breasted Nuthatch, 1; Brown Creeper, 5; Carolina Wren, 12; Mockingbird, 3; Am. Robin, 69; Eastern Bluebird, 32; Cedar Waxwing, 3; Common Starling, 3000+; House Sparrow, 266; Eastern Meadowlark, 43; Cardinal, 72; Am. Goldfinch, 44; Slate-colored Junco, 76; Am. Tree Sparrow, 82; Field Sparrow, 3; White-throated Sparrow, 2; Song Sparrow, 64. **Total,** 44 species; over 4228 individuals.—Frank Harbaum (compiler), Willis Harbaum.

241. **Indian Lake, Ohio** (entire shore of lake and most of back country within 7 miles of the lake center).—Dec. 27; 7 a.m. to 5 p.m. Mostly overcast, occasional drizzle throughout day; temp. 40° to 54°; no wind; streams mostly open, lake 90% frozen. Two observers mostly in 2 parties. Total party-hours, 18 (12 on foot, 6 by car); total party-miles, 106 (16 on foot, 90 by car). Great Blue Heron, 1; Mallard, 970; Black Duck, 3225; Pintail, 1; Green-winged Teal, 1; Am. Golden-eye, 3; Am. Merganser, 3; Red-tailed Hawk, 10; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 1; Bob-white, 9; Ring-necked Pheasant, 1; Herring Gull, 1; Mourning Dove, 376; Barn Owl, 1; Screech Owl, 1; Short-eared Owl, 1; Yellow-shafted Flicker, 18; Red-bellied Woodpecker, 14; Red-headed Woodpecker, 6; Hairy Woodpecker, 3; Downy Woodpecker, 39; Horned Lark, 1; Blue Jay, 82; Am. Crow, 5; Black-capped Chickadee, 12; Carolina Chickadee, 37; Tufted Titmouse, 63; White-breasted Nuthatch, 45; Brown Creeper, 12; Carolina Wren, 2; Eastern Bluebird, 2; Golden-crowned Kinglet, 8; Common Starling, 280; House Sparrow, 960; Red-winged Blackbird, 23; Rusty Blackbird, 26; Purple Grackle, 3; Brown-headed Cowbird, 27; Cardinal, 89; Purple Finch, 3; Am. Goldfinch, 18; Slate-colored Junco, 31; Am. Tree Sparrow, 162; Field Sparrow, 1; Song Sparrow, 114. **Total,** 48 species; about 6694 individuals.—Lawrence E. Hicks, Ernie Limes (compiler).

242. **Lakewood, Ohio** (Lake Erie shore from Edgewater Park to Avon Lake; Clague Park, Olmsted Falls, Avon, Rocky River Metropolitan Park from mouth of river to Brookpark Bridge, suburban areas in Lakewood, Rocky River, Bay Village, and Westlake; lakefront and parks along lakefront 34%, suburban areas and parks 30%, flood plain forest 21%, small fruit farms 15%).—Dec. 26; 7:15 a.m. to 6 p.m. Mostly sunny; temp. 38° to 53°; wind NE, 8-12 m.p.h.; ground muddy, scattered piles of snow, Rocky River partly frozen near mouth, Porter and Cahoon Creeks frozen, other water open. Twenty-eight observers in 8 parties. Total party-hours, 36½ (31½ on foot, 5 by car); total party-miles, 106 (29 on foot, 77 by car). Horned Grebe, 2; Mallard, 43; Black Duck, 9; **Gadwall,** 1; Redhead, 5; Canvasback, 15; **Greater Scaup,** 25; Lesser Scaup, 6778; Am. Golden-eye, 121; Buffle-head, 50; Ruddy Duck, 181; Am. Merganser, 18; Red-shouldered Hawk, 2; Sparrow Hawk, 2; **Bob-white,** 2, Ring-necked Pheasant, 16; Am. Coot, 3; Herring Gull, 73; Ring-billed Gull, 1059; Bonaparte's Gull, 1686; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Red-headed Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 19; Blue Jay, 82; Am. Crow, 39; Black-capped Chickadee, 46; Tufted Titmouse, 35; White-breasted Nuthatch, 38; **Red-breasted Nuthatch,** 2; Brown Creeper, 3; Carolina Wren, 5; Am. Robin, 1; **Hermit Thrush,** 1; Common Starling, 233; House Sparrow, 373; Cardinal, 77; Am. Goldfinch, 2; Slate-colored Junco, 70; Am. Tree Sparrow, 42; **Field Sparrow,** 2 (pink bill very evident, no spot on breast—M.O.D.); Song Sparrow, 7; **Snow Bunting,** 11. **Total,** 44 species; about 11,187 individuals.—Donald W. Berendsen, Donald Berendsen, Jr., Karen Berendsen, Stanley E. Butler, Mrs. Blanche Byers, David Crockett, Myron Owen Davies, Mr. and Mrs. Owen J. Davies, Mr. and Mrs. Samuel E. Davies, H. C. Dobbins, Mrs. William H. Fleming, Florence Gray, Mr. and Mrs. William A. Klamm, Mr. and Mrs. Cyril Kremser, Mrs. Robert Meier, Phil Meyer, H. G. Rudge, Walter R. Schuele, Mrs. Richard Shaw, Carol Stover, Mr. and Mrs. Fred J. Stover, Daniel F. Waugh, Lee Wetzel.

243. **Lancaster, Ohio** (3-mile radius centering on Broad and Main Sts., approximately same route as previous 29 years; farmland 10%, deciduous woods 20%, stream banks 30%, city suburbs 40%).—Jan. 1; 7:40 a.m. to 4 p.m. Overcast, rain at 3 p.m.; temp. 37° to 56°; wind S, 3-15 m.p.h.; ground bare, streams open. Five observers in 3 parties. Total party-hours, 23; total party-miles, 24. Marsh Hawk, 1; Sparrow Hawk, 1; Bob-white, 35; Mourning Dove, 148; Horned Owl, 1; Barred Owl, 1; Yellow-shafted Flicker, 19; Pileated Woodpecker, 3; Red-bellied Woodpecker, 7; Hairy Woodpecker, 7; Downy Woodpecker, 48; Blue Jay, 17; Am. Crow, 1; Carolina Chickadee, 67; Tufted Titmouse, 44; White-breasted Nuthatch, 24; Red-breasted Nuthatch, 3; Brown Creeper, 9; Winter Wren, 1; Carolina Wren, 13; Am. Robin, 55; Eastern Bluebird, 7; Golden-crowned Kinglet, 1; Common Starling, 388; House Sparrow, 440; Eastern Meadowlark, 6; Cardinal, 110; Am. Goldfinch, 12; Eastern Towhee, 7; Slate-colored Junco, 136; Am. Tree Sparrow, 45; Song Sparrow, 69. **Total,** 32 species; about 1726 individuals.—Florence Branum, Charles R. Goslin (compiler), Tom Guisinger, Paul J. Miller, Philip Shaeffer.

244. **Mohican State Forest, Ohio** (Mohican Forest, Pleasant Hill Lake, surrounding territory including Malabar Farm and one mile of Black Fork

River valley; beech-hemlock-pine forest 50%, upland hardwood forest 13%, fields 12%, hardwood river forest 8%, cattail marsh 3%, lake shore 14%). —Dec. 29; 8 a.m. to 5 p.m. Overcast, intermittent rain; temp. 30° to 38°; wind SW, max. 8 m.p.h., lake 99% ice-covered, streams open, no snow. Six observers in 2 parties. Total party-hours, 15½ (14½ on foot, 1 by car); total party-miles, 35 (14 on foot, 21 by car). Mallard, 41; Black Duck, 86; Redhead, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Bald Eagle, 1; Ruffed Grouse, 1; Mourning Dove, 2; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 3; Pileated Woodpecker, 2; Red-bellied Woodpecker, 11; Hairy Woodpecker, 5; Downy Woodpecker, 17; Blue Jay, 14; Am. Crow, 6; Black-capped and Carolina Chickadee, 48; Tufted Titmouse, 20; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 1; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 8; Am. Robin, 1; Hermit Thrush, 1; Golden-crowned Kinglet, 18; Cedar Waxwing, 51; Common Starling, 152; Myrtle Warbler, 1; House Sparrow, 45; Eastern Meadowlark, 1; Red-winged Blackbird, 16; Rusty Blackbird, 7; Purple Grackle, 3; Cardinal, 36; Evening Grosbeak, 1; Am. Goldfinch, 7; Slate-colored Junco, 12; Am. Tree Sparrow, 185; Swamp Sparrow, 2; Song Sparrow, 10. **Total,** 43 species; about 838 individuals.—Roger Troutman, Robert Sparr, Ted Sparr, Elizabeth Horst, Irene Eschliman, James Bruce (compiler).

245. Oxford, Ohio (7½-mile radius from center of Oxford, area covered about same as previous years; wooded areas along streams 70%, open fields, overgrown fields, farmlands 30%).—Dec. 30; 8:30 a.m. to 5:30 p.m. Overcast; temp. 32° to 40°; wind WSW, 10-15 m.p.h.; ground quite wet, streams flowing well. Fifteen observers in 5 parties. Total party-hours, 30 (27 on foot, 3 by car); total party-miles, 46 (25 on foot, 21 by car). Turkey Vulture, 8; Black Vulture, 21; Cooper's Hawk, 1; Red-tailed Hawk, 5; Marsh Hawk, 4; Sparrow Hawk, 3; Bob-white, 62 (7 coveys); Ring-necked Pheasant, 1; Mourning Dove, 76; Screech Owl, 1; Short-eared Owl, 6; Belted Kingfisher, 2; Yellow-shafted Flicker, 21; Red-bellied Woodpecker, 37; Red-headed Woodpecker, 32; Hairy Woodpecker, 5; Downy Woodpecker, 85; Horned Lark, 20; Blue Jay, 47; Am. Crow, 124; Black-capped Chickadee, 15; Carolina Chickadee, 109; Tufted Titmouse, 73; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 3; Brown Creeper, 1; Winter Wren, 3; Carolina Wren, 27; Mockingbird, 9; Am. Robin, 19; Eastern Bluebird, 15; Loggerhead Shrike, 1; Common Starling, 192; Palm Warbler, 1 [no details—Ed.]; House Sparrow, 406; Eastern Meadowlark, 8; Red-winged Blackbird, 14; Cardinal, 205; Purple Finch, 6; Am. Goldfinch, 50; Eastern Towhee, 25; Slate-colored Junco, 378; Am. Tree Sparrow, 389; Field Sparrow, 26; White-throated Sparrow, 1; Swamp Sparrow, 25; Song Sparrow, 92; Lapland Longspur, 1. **Total,** 48 species; about 2672 individuals.—Mr. and Mrs. M. Boesel, Carl Boesel, Paul Daniel, B. Graham, John Hefner, R. A. Hefner, James Hennigar, Paul Hersey, Edwin Howard, L. B. Hunt, E. M. Ingersoll, John Marchant, Mildred Miskimen, R. L. Strecker (compiler).

246. Portsmouth, Ohio (same area as in previous years).—Dec. 26; 8 a.m. to 5:30 p.m. Clear, many birds singing; temp. 30° to 55°; wind nil. Eleven observers in 3 parties. Total party-hours, 88 (60 on foot, 28 by car); total party-miles, 120 (28 on foot, 92 by car). Great Blue Heron, 1; Mallard, 19; Black Duck, 2; Hooded Merganser, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Sparrow Hawk, 11; Bob-white, 17; Mourning Dove, 19; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 52; Hairy Woodpecker, 5; Downy Woodpecker, 18; Horned Lark, 3; Blue Jay, 176; Am. Crow, 250; Carolina Chickadee, 190; Tufted Titmouse, 38; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 1; Brown Creeper, 6; Winter Wren, 1; Bewick's Wren, 1; Carolina Wren, 34; Am. Robin, 55; Eastern Bluebird, 76; Golden-crowned Kinglet, 1; Cedar Waxwing, 3; Common Starling, 650; Myrtle Warbler, 3; House Sparrow, 270; Eastern Meadowlark, 7; Red-winged Blackbird, 35; Brown-headed Cowbird, 1; Cardinal, 160; Evening Grosbeak, 1; Purple Finch, 15; Am. Goldfinch, 126; Eastern Towhee, 30; Slate-colored Junco, 111; Am. Tree Sparrow, 105; **Chipping Sparrow,** 1; Field Sparrow, 25; White-crowned Sparrow, 8; White-throated Sparrow, 20; Fox Sparrow, 4; Swamp Sparrow, 22; Song Sparrow, 76. **Total,** 52 species; about 2699 individuals. (Black-throated Green Warbler reported singing, E.C.H. and J.S.D.)—Conrad Roth, Morris M. Green, Jr., G. R. Barry, Jr., G. R. Barry, Earl C. Hayes, Paul L. Doyle, James S. Donaldson, Harry S. Knighton, Howard C. Webb, Miriam L. Webb, Virginia M. Nickel.

247. Salem, Ohio (fuller coverage than in past; center of circle as last year; lake shore 10%, marsh 12%, open fields 10%, brushland 10%, upland woods 15%, valley of beech-maple-hemlock forest 43%).—Dec. 26; 7 a.m. to 5 p.m. Clear, overcast, clear once more; temp. 30° to 52°; wind S, 1-15 m.p.h.; 1-in. snow in woods, Beaver Creek open, lakes and marshes completely frozen. Fourteen observers in 8 parties. Total party-hours, 59 (55 on foot, 4 by car); total party-miles, 148 (69 on foot, 79 by car). Great Blue Heron, 1; Mallard, 1; Black Duck, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Sparrow Hawk, 9; Bob-white, 16; Ring-necked Pheasant, 14; Mourning Dove, 50; Barn Owl, 1; Screech Owl, 5; Short-eared Owl, 1; **Belted Kingfisher,** 9; Yellow-shafted Flicker, 2; Pileated Woodpecker, 8; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 2; Hairy Woodpecker, 22; Downy Woodpecker, 76; Horned Lark, 41 (4 Northern); **Blue Jay,** 84; Am. Crow, 39; **Black-capped Chickadee,** 195; Carolina Chickadee, 5; **Tufted Titmouse,** 169; **White-breasted Nuthatch,** 135; Red-breasted Nuthatch, 3; Brown Creeper, 8; Winter Wren, 3; Carolina Wren, 7; Am. Robin, 20; Golden-crowned Kinglet, 9; Cedar Waxwing, 12; Gray Shrike, 1; **Common Starling,** 368;

House Sparrow, 289; Eastern Meadowlark, 5; **Cardinal,** 234; Evening Grosbeak, 2; Pine Siskin, 9; Am. Goldfinch, 47; **Slate-colored Junco,** 266; Am. Tree Sparrow, 587; Field Sparrow, 4; **Swamp Sparrow,** 32; Song Sparrow, 84. **Total,** 48 species (1 additional subspecies); about 2898 individuals. (Gray Shrike first count record since 1930.)—Margaret K. Baker, William C. Baker (compiler), Roy A. Booth, Chester A. Cope, Edward Ferko, Casper Gabler, Albert T. Hartley, Clara Hartley, Inez Heisler, Edward C. Kirk, Meredith Livingston, Jr., Raymond O. Marshall, Lyle Miller, G. W. Richter (Salem Bird Study Club).

248. Steubenville, Ohio (same 4 areas within 15-mile diameter circle, but slightly different coverage; deciduous woods 22%, farmland 20%, pine woods 3%, brushy fields 18%, swampy woods 7%, bottomland along streams 17%, urban 3%, open fields 10%).—Dec. 26; 8 a.m. to 5:30 p.m.; temp. 20° to 50°; wind S to SW, 2-12 m.p.h. Eleven observers in 5 parties. Total party-hours, 33 (all on foot); total party-miles, 37. Black Duck, 6; Hooded Merganser, 6; Cooper's Hawk, 1; Red-tailed Hawk, 2; Sparrow Hawk, 3; Ruffed Grouse, 3; Bob-white, 24; Mourning Dove, 9; Horned Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 4; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 49; Horned Lark, 35; Am. Crow, 15; Carolina Chickadee, 133; Tufted Titmouse, 52; White-breasted Nuthatch, 25; Winter Wren, 1; Carolina Wren, 18; Am. Robin, 5; Eastern Bluebird, 1; Common Starling, 432; House Sparrow, 245; Eastern Meadowlark, 3; Cardinal, 117; Am. Goldfinch, 1; Eastern Towhee, 3; **Vesper Sparrow,** 1; Slate-colored Junco, 110; Am. Tree Sparrow, 98; Field Sparrow, 7; Song Sparrow, 91. **Total,** 36 species; about 1514 individuals.—Clinton S. Banks (compiler), Eleanor Dailey, R. L. Dailey, Earl Farmer, Bertha Graul, Harry Graul, Robert McCullough, Ronald McKee, Don Rarey, Clarence Reisling, Albert Tenney (The Forest Audubon Club).

249. Sugar Grove, Ohio (same locality as last 10 years: about 850 acres in unglaciated Appalachian Plateau; Hocking River and Clear Creek bottoms and adjacent uplands; open bottomlands 42%, mixed upland woodland 19%, old-field pine scrub 13%, mixed scrub 7%, yellow pine woods 6%, hemlock forest 5%, village 5%, country estate 3%).—Jan. 2; 7:30 a.m. to 4:30 p.m. Cloudy in a.m., clear in p.m.; temp. 45° to 54°; wind SW, 0-15 m.p.h.; ground bare, streams open. Thirty-six observers in 5 parties, these in turn subdividing. Total party-hours, 132 (all on foot); total party-miles, 152. Mallard, 1; Turkey Vulture, 6; Black Vulture, 18; Sharp-shinned Hawk, 2; Red-tailed Hawk, 2; Sparrow Hawk, 7; Ruffed Grouse, 15; Bob-white, 82; Ring-necked Pheasant, 1; Mourning Dove, 55; Barn Owl, 1; Barred Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 15; Pileated Woodpecker, 11; Red-bellied Woodpecker, 42; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 15; Downy Woodpecker, 99; Horned Lark, 20; Blue Jay, 74; Am. Crow, 53; Black-capped and Carolina Chickadee, 314; Tufted Titmouse, 147; White-breasted Nuthatch, 61; Red-breasted Nuthatch, 24; Brown Creeper, 17; Winter Wren, 4; Carolina Wren, 51; Am. Robin, 133; Hermit Thrush, 9; Eastern Bluebird, 76; Golden-crowned Kinglet, 86; Ruby-crowned Kinglet, 2; Cedar Waxwing, 30; Common Starling, 459; House Sparrow, 565; Eastern Meadowlark, 8; Red-winged Blackbird, 2; Brown-headed Cowbird, 10; Cardinal, 252; Purple Finch, 3; Pine Siskin, 19; Am. Goldfinch, 118; Eastern Towhee, 30; Vesper Sparrow, 2; Slate-colored Junco, 679; Am. Tree Sparrow, 288; Field Sparrow, 3; White-throated Sparrow, 1; Swamp Sparrow, 5; Song Sparrow, 199. **Total,** 53 species; about 4125 individuals. (Seen in area Dec. 28: Eastern Phoebe; White-winged Crossbills seen in area earlier; 3 crossbills probably seen on day of count but not positively identified. Several Black-capped Chickadees identified, two collected, first in the area).—C. F. Bateman, D. Blyth, A. C. Borror, D. J. Borror, H. E. Burtt, A. H. Claugus, G. Cox, E. H. Dustman, A. W. Elliott, H. C. Fritts, G. E. Gilbert, E. E. Good, C. R. Goslin, L. E. Hicks, W. Jones, R. Kavanagh, A. S. Kiefer, E. Limes, P. J. Miller, E. E. Postle, J. W. Price, C. R. Reese, I. B. Rickly, H. W. Schuer, C. B. Sloan, P. A. Stewart, W. D. Stull, R. Suthers, E. S. Thomas (compiler), J. S. Thomas, N. P. Thomson, D. Triplehorn, W. A. Tucker, J. N. Wolfe, G. Wolfram, E. Work (Wheaton Club and guests).

250. Tiffin, Ohio (5 miles north and 1½ miles south along Sandusky River; Rock Creek, Morrison Creek, adjacent woodlands and fields; bottomland deciduous forest 85%, upland deciduous forest 5%, shrubby field 5%, plowed field 5%).—Dec. 29; 8 a.m. to 4:30 p.m. Overcast, rain or sleet most of day; temp. 31° to 33°; wind NE, 5-8 m.p.h.; shrubs covered with thin ice. Eight observers in 5 parties. Total party-hours, 26 (24 on foot, 2 by car); total party-miles, 45½ (10½ on foot, 35 by car). Canada Goose, 33; Mallard, 2; Black Duck, 11; Pintail, 30; **Wood Duck,** 1, Red-shouldered Hawk, 1; Bob-white, 15; Ring-necked Pheasant, 1; Mourning Dove, 8; Barred Owl, 3; Belted Kingfisher, 3; Red-bellied Woodpecker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 15; Blue Jay, 12; Black-capped Chickadee, 34; Tufted Titmouse, 19; White-breasted Nuthatch, 26; Brown Creeper, 14; Carolina Wren, 1; Golden-crowned Kinglet, 12; Common Starling, 312; House Sparrow, 45; Cardinal, 31; Slate-colored Junco, 24; Am. Tree Sparrow, 32; Song Sparrow, 16. **Total,** 27 species; about 705 individuals.—Dr. and Mrs. Howard Hintz, Mrs. W. C. Knoblaugh (compiler), A. G. McQuate, Nelda McQuate, Leanne Omwake, Janet Souder, Larry Tiehl.

251. Toledo, Ohio (5 miles of Swan Creek valley, 5 miles of Ottawa River valley, isolated forests northeast of city, edge of Cedar Point marsh, and Erie Marsh, Mich. [containing large flowing spring]; open water 5%, cultivated fields 5%, cattail marsh edge 20%, open deciduous forest 70%).—Dec. 26; 7.30 a.m. to 5:30 p.m., 21% possible sunshine; temp.

38° to 49°; wind S, 15 m.p.h.; no snow, marshes and part of Maumee Bay frozen. Thirty-seven observers in 7 parties. Total party-hours, 48 (46 on foot, 2 by car); total party-miles, 88 (45 on foot, 43 by car). Great Blue Heron, 6; Am. Bittern, 1; Canada Goose, 400; Mallard, 1093; Black Duck, 3301; Pintail, 72; Canvas-back, 211; Lesser Scaup, 142; Am. Golden-eye, 70; Ruddy Duck, 14; Hooded Merganser, 2; Am. Merganser, 43; Cooper's Hawk, 3; Red-tailed Hawk, 6; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Bald Eagle, 2; Marsh Hawk, 12; Sparrow Hawk, 11; Bob-white, 7; Ring-necked Pheasant, 114; Am. Coot, 14; Great Black-backed Gull, 10; Herring Gull, 85; Ring-billed Gull, 220; Bonaparte's Gull, 125; Mourning Dove, 213; Screech Owl, 6; Horned Owl, 3; Snowy Owl, 2; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 8; Hairy Woodpecker, 5; Downy Woodpecker, 47; Horned Lark, 23; Blue Jay, 98; Am. Crow, 6192; Black-capped Chickadee, 220; Tufted Titmouse, 40; White-breasted Nuthatch, 65; Red-breasted Nuthatch, 5; Brown Creeper, 19; Winter Wren, 6; Carolina Wren, 2; Long-billed Marsh Wren, 1; Brown Thrasher, 1; Am. Robin, 2; Golden-crowned Kinglet, 5; shrike (sp.), 2; Common Starling, 1257; Common Yellowthroat, 1; House Sparrow, 1755; Eastern Meadowlark, 1; Red-winged Blackbird, 75; Purple Grackle, 3; Cardinal, 171; Purple Finch, 4; Common Redpoll, 11; Pine Siskin, 4; Am. Goldfinch, 70; Eastern Towhee, 5; Slate-colored Junco, 222; Am. Tree Sparrow, 368; Field Sparrow, 2; White-throated Sparrow, 1; Swamp Sparrow, 26; Song Sparrow, 101; Lapland Longspur, 5; Snow Bunting, 1. **Total,** 70 species; about 17,019 individuals. (Dec. 28: Mockingbird.)—Harold Mayfield, Laurel Van Camp, Lou Klewer, Robert Crofts, Miriam Bell, James Nessle, Lawrence Hiett, Joseph Sweeney, Louis Campbell (compiler), Jack Trumbull, Bob Riedmayer, Reginald Kelly, W. Stewart, John McCormick, John Stophlet, Jim Hallaver, Lee Garling, Dennis Ginzman, Dick Sheets, Larry Shafer, Roger Jensen, David Heck, Bob Hayman, Gene Walston, Charles Preston, Dick Kellermeier, Grace Ford, Otis Bridges, Robert Van Gundy, Seymour Van Gundy, Seymour Holloway, Charles Holloway, Eddie Kadas, Ernest Weaver, Carmen Ward, Ralph Ward, Cy Greenhill (Toledo Naturalists Association).

252. Utica, Ohio (South Lane Farm of 345 acres, same general locality as last 5 years; beech-maple climax forest 45%, open farmland 15%, brushy thickets 20%, lowland and creek edges 20%).—Dec. 26; 7 a.m. to 4:30 p.m. Partly cloudy, 50% sunshine; temp. 33° to 50°; wind SW, 5-12 m.p.h.; ground bare, water frozen except parts of small streams. Eleven observers in 5 parties. Total party-hours, 86 (79 on foot, 7 by car); total party-miles, 189 (75 on foot, 114 by car). **Great Blue Heron,** 1; Mallard, 2; **Turkey Vulture,** 3, Cooper's Hawk, 2; Red-tailed Hawk, 15; Red-shouldered Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 3; Bob-white, 62 (4 coveys); **Killdeer,** 2; Mourning Dove, 199; Screech Owl, 2; Horned Owl, 3; Barred Owl, 2; Long-eared Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 32; Pileated Woodpecker, 4; Red-bellied Woodpecker, 42; Red-headed Woodpecker, 4; Hairy Woodpecker, 13; Downy Woodpecker, 104; Horned Lark, 106 (4 Northern); Blue Jay, 68; Am. Crow, 34; **Black-capped Chickadee,** 6 (carefully identified); Carolina Chickadee, 161; Tufted Titmouse, 231; White-breasted Nuthatch, 163; Brown Creeper, 7; Winter Wren, 1; Carolina Wren, 13; Mockingbird, 2; Am. Robin, 47; Hermit Thrush, 1; Eastern Bluebird, 36; Golden-crowned Kinglet, 15; Cedar Waxwing, 11; Common Starling, 435; House Sparrow, 380; Eastern Meadowlark, 3; Red-winged Blackbird, 2; Cardinal, 175; Purple Finch, 5; Am. Goldfinch, 64; Eastern Towhee, 5; Slate-colored Junco, 312; **Oregon Junco,** 1 (J.B.) [no details—Ed.]; Am. Tree Sparrow, 262; **Field Sparrow,** 2 (Mrs. C.R.W.); White-throated Sparrow, 1; **Fox Sparrow,** 1 (Mrs. C.R.W.); Swamp Sparrow, 1; Song Sparrow, 105; Lapland Longspur, 2. **Total,** 55 species (1 additional subspecies); about 3161 individuals. (In area Jan. 2: Short-eared Owl.)—John Bishop, Marilyn Bishop, Floyd B. Chapman, H. J. Lowe, Esther Mallory, Roy Mallory, John Pattison, Alma Raduege, Bob Riegler, C. R. Wagner, Mrs. C. R. Wagner (compiler).

253. Van Wert, Ohio (same area as previously; farmland 45%, deciduous swamp forest 40%, cut-over woodlots 6%, creek banks 5%, roadsides 4%).—Dec. 26; 7:50 a.m. to 5 p.m. Cloudy; temp. 34° to 50°; wind S to SW, 4-15 m.p.h.; ground muddy, reservoir frozen, creeks open. Thirteen observers in 3 parties. Total party-hours, 84 (60 on foot, 24 by car); total party-miles, 292 (82 on foot, 210 by car). Turkey Vulture, 1; Cooper's Hawk, 4; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 3; Bob-white, 7; Ring-necked Pheasant, 1; Mourning Dove, 61; Horned Owl, 1; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 27; Horned Lark, 3; Blue Jay, 22; Am. Crow, 4; Black-capped Chickadee, 56; Tufted Titmouse, 47; White-breasted Nuthatch, 11; Brown Creeper, 5; Am. Robin, 2; Ruby-crowned Kinglet, 1; Common Starling, 211; House Sparrow, 442; Cardinal, 27; Eastern Towhee, 2; Slate-colored Junco, 104; Am. Tree Sparrow, 128; Field Sparrow, 10; Song Sparrow, 241. **Total,** 32 species; about 1441 individuals. (Dec. 27 and previous week; Great Blue Heron.)—Arthur S. Brooks (compiler), Ellyn Feigert, E. C. Feigert, J. M. Gold, J. R. Jarvis, Philip Neiderauer, C. D. Pennell, James Richardson, Stanley Smith, Donald Shaw, Jr., Denton Stetler, William Wydallis, Fred D. Williams (Upper Maumee Valley Naturalist Club).

254. Warren, Ohio (same area as last 5 years; marsh 10%, water 10%, pasture 10%, plowed land 10%, suburbs 30%, woodlots 30%).—Dec. 31; 7:30 a.m. to 5:30 p.m. Cloudy a.m., clear p.m.; temp. 36° to 52°; wind SW, 1-7 m.p.h.; Girard and Liberty Lakes frozen, Trumbull Meander frozen in bays, open water in Mosquito and Meander. Sixty-one observers in 7 parties. Total party-hours, 281¼ (268¾ on foot, 12½ by car); total party-miles, 184 (56 on

foot, 128 by car). Canada Goose, 2; Mallard, 60; Black Duck, 400; Am. Merganser, 15; Marsh Hawk, 3; Sparrow Hawk, 8; Ruffed Grouse, 2; Bob-white, 85; Ring-necked Pheasant, 14; Killdeer, 2; Mourning Dove, 7; Horned Owl, 1; Yellow-shafted Flicker, 8; Pileated Woodpecker, 1; Red-bellied Woodpecker, 4; Hairy Woodpecker, 12; Downy Woodpecker, 56; Blue Jay, 196; Am. Crow, 1551; Black-capped Chickadee, 195; Tufted Titmouse, 81; White-breasted Nuthatch, 70; Brown Creeper, 4; Am. Robin, 2; **Ruby-crowned Kinglet,** 5 (E.W.); Cedar Waxwing, 2; Common Starling, 555; House Sparrow, 1649; Cardinal, 97; Am. Goldfinch, 80; Eastern Towhee, 1; Slate-colored Junco, 178; Am. Tree Sparrow, 375; Field Sparrow, 12; **Swamp Sparrow,** 1 (A.N.R.); Song Sparrow, 77; Snow Bunting, 3. **Total,** 37 species; about 5814 individuals.—William Brown, Robert McLaren, David Dain, Almon N. Rood, Caroline Rowland, Georgene Smith (compiler), Enola Wilson, Doris Wilson, Isla Wilder, Gertrude White, Ada Williams, Martha Wise, Mrs. Russel Brumbaugh, Alta Bates, Mrs. W. E. Booher, Mrs. Donald Clark, Phil S. Corbin, Mr. and Mrs. A. G. Cochran, Mr. and Mrs. Charles Cooper, Mrs. Horace Fox, Sol Gifford, Mrs. Harmon Howland, Mrs. Mary Knapp, Mr. and Mrs. George McClain, Mr. and Mrs. H. Pritchard, Mrs. Fred Smith, Jr., Mrs. W. T. Smith, Mrs. Robert Shank, Mrs. J. A. Wineland, Mr. and Mrs. James Wilson, David Wilson, Joan Wilson, Mrs. C. K. Walker, James Mederer, John Hoynos, L. M. Brobst, David Brobst, Donald Brobst, Charles and Florence Crandall, Mr. and Mrs. Eugene Hibbard, Mrs. Kenneth Hall, Mary and Elizabeth Stinson, Ruth and Marie Stroup, Mrs. John Rudin, Lois Rudin, Mrs. Cliff Wagers, Mrs. James Fontjar, Mrs. Charles Miller, Mrs. Jeff Howell, Mrs. William Umpleby, Beverly Whitmore, Sandra Zackeroff (Trumbull Bird and Nature Club).

255. Wooster, Ohio (Secrest Arboretum, Killbuck Valley from Funk's Hollow south to Holmes Co. [Tea Run]; conifer plantations 2%, hemlock-beech forest 8%, fields 10%, roadsides 10%, swamp forest 50%, upland forests 5%, cattail marsh 15%).—Dec. 26; 7:30 a.m. to 5:30 p.m. Clear, light clouds at noon; temp. 32° to 39°; wind SW to W, max. 8 m.p.h.; marshes frozen, streams open, no snow. Sixteen observers in 7 parties. Total party-hours, 52 (48 on foot, 4 by car); total party-miles, 107 (42 on foot, 65 by car). Great Blue Heron, 1; Mallard, 17; Black Duck, 26; Cooper's Hawk, 4. Red-tailed Hawk, 5; Red-shouldered Hawk, 4; Sparrow Hawk, 1; Ring-necked Pheasant, 4; Killdeer, 3; Mourning Dove, 50; Screech Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 25; Pileated Woodpecker, 6; Red-bellied Woodpecker, 38; Red-headed Woodpecker, 16; Hairy Woodpecker, 24; Downy Woodpecker, 90; Horned Lark, 23; Blue Jay, 77; Am. Crow, 6; Black-capped and Carolina Chickadee, 156; Tufted Titmouse, 110; White-breasted Nuthatch, 72; Brown Creeper, 7; Winter Wren, 4; Carolina Wren, 28; Am. Robin, 18; Eastern Bluebird, 16; Golden-crowned Kinglet, 12; Cedar Waxwing, 62; Common Starling, 1350; Myrtle Warbler, 7; House Sparrow, 291; Red-winged Blackbird, 250; Rusty Blackbird, 15; Cardinal, 152; Evening Grosbeak, 15; Purple Finch, 2; Am. Goldfinch, 260; **Vesper Sparrow,** 1 (H.B.); Slate-colored Junco, 280; Am. Tree Sparrow, 516; Field Sparrow, 1; White-throated Sparrow, 2; Swamp Sparrow, 60; Song Sparrow, 66. **Total,** 48 species; about 4176 individuals. (Jan 1: Purple Grackle, Brown-headed Cowbird, White-crowned Sparrow.)—Joseph Beatty, Robert Sparr, Mr. and Mrs. Herman Beatty, Donald Shepard, Irene Eschliman, James Bruce (compiler), Alma Fry, Mrs. Raymond Dugan, Mr. and Mrs. Alden Schaffter, Roger Troutman, Lois Geiger, Harry Scott, Irene Burkhart, Elsie Burkhart.

256. Youngstown, Ohio (7½-mile radius centering on Lynn's Corners, including Meander, Evans and Diehl Lakes, Mill Creek, Poland and Boardman Parks; beech-maple woods 25%, other woods 5%, lakes and streams 15%, suburban and urban Youngstown 30%, pasture and open fields 25%).—Jan. 2; 6:45 a.m. to 6 p.m. Cloudy and rainy to clear and cold; temp. 35° to 50°; wind 0-40 m.p.h.; lakes with no ice, filled and overflowing. Twenty-seven observers in 10 parties. Total party-hours, 74 (50 on foot, 24 by car); total party-miles, 320 (250 on foot, 70 by car). Pied-billed Grebe, 1; Great Blue Heron, 1; Canada Goose, 182; Mallard, 1213; Black Duck, 733; Gadwall, 2; Am. Widgeon, 2; Pintail, 3; Green-winged Teal, 2; Redhead, 4; Canvas-back, 2; Lesser Scaup, 2; Am. Golden-eye, 1; Am. Merganser, 14; Red-breasted Merganser, 2; Cooper's Hawk, 4; Red-tailed Hawk, 6; Red-shouldered Hawk, 3; Marsh Hawk, 5; Sparrow Hawk, 17; Ruffed Grouse, 1; Bob-white, 93; Ring-necked Pheasant, 18; Am. Coot, 4; Killdeer, 2; Mourning Dove, 55; Barn Owl, 2; Barred Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 8; Pileated Woodpecker, 2; Red-bellied Woodpecker, 2; Hairy Woodpe[illegible] 13; Downy Woodpecker, 87; Horned Lark, 2[illegible] Jay, 144; Am. Crow, 11,991; Black-capped Chickadee, 286; Tufted Titmouse, 102; White-breasted Nuthatch, 112; Red-breasted Nuthatch, 11; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 1; Am. Robin, 11; Golden-crowned Kinglet, 18; Cedar Waxwing, 6; Gray Shrike, 1; Common Starling, 612; House Sparrow, 726; Eastern Meadowlark, 1; Red-winged Blackbird, 3; Rusty Blackbird, 200; Brown-headed Cowbird, 3; Cardinal, 227; Evening Grosbeak, 13; Purple Finch, 2; Pine Siskin, 10; Am. Goldfinch, 103; Eastern Towhee, 2; Slate-colored Junco, 289; Am. Tree Sparrow, 439; Field Sparrow, 1; White-throated Sparrow, 2; Swamp Sparrow, 6; Song Sparrow, 43; Snow Bunting, 6. **Total,** 67 species; about 17,887 individuals. (Seen Jan. 1: Ruddy Duck, Hooded Merganser, Ring-necked Duck, Horned Grebe.)—G. Madtes, W. Findley, H. Waller, M. Wansack, V. McLaughlin, W. Brown, D. Corbin, R. Maclaren, A. Kirk, E. Vickers, D. Vickers, E. Dressel, H. Johnson, E. Minich, A. Hartley, Mrs. A. Hartley, Ed Kirk, W. Richter, F. Glenny, A. Altdoerffer, L. Miller, D. Miller, C. Turner, H. Culbertson, E. Murray, H. Heimerdinger, F. Clark (Grant M. Cook Bird Club and associates).

257. Athens, W. Va. (same area as 1945 and subsequent counts).—Jan. 1; 7:30 a.m. to 4:40 p.m. Clouds and haze; temp. 38° to 50°; calm. Two observers in 1 party. Total party-hours, 9; total party-miles, 93. Mallard, 4; Black Duck, 9; Ring-necked Duck, 10; Am. Golden-eye, 20; Turkey Vulture, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Bob-white, 10; Mourning Dove, 18; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Pileated Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 7; Blue Jay, 4; Am. Crow, 53; Carolina Chickadee, 19; Tufted Titmouse, 13; White-breasted Nuthatch, 6; Carolina Wren, 3; Mockingbird, 5; Am. Robin, 65; Hermit Thrush, 1; Eastern Bluebird, 15; Loggerhead Shrike, 2; Common Starling, 205; House Sparrow, 97; Eastern Meadowlark, 6; Cardinal, 33; Am. Goldfinch, 106; Slate-colored Junco, 77; Field Sparrow, 6; White-crowned Sparrow, 9; White-throated Sparrow, 6; Song Sparrow, 15. **Total,** 35 species; 834 individuals.—Clarence M. Young, Paul C. Bibbee.

258. Charleston, W. Va. (15-mile diameter, including Kanawha River valley and adjacent hills from Marmet to Institute, South Charleston, Kanawha Airport, Coonskin Park, South Hills, Kanawha City, Kanawha State Forest; open farmland and grassland 5%, urban 30%, deciduous woods 30%, wooded bottomland and stream bank 35%).—Jan. 2; 6:45 a.m. to 5 p.m. Cloudy, clearing by 3 p.m.; temp. 33° to 52°; wind WSW, 0-26 m.p.h.; ground bare. Twenty-five observers in 11 parties. Total party-hours, 65 (46½ on foot, 18½ by car); total party-miles, 207 (57 on foot, 150 by car). Pintail, 1; Lesser Scaup, 2; Ruddy Duck, 1; Turkey Vulture, 1; Sharp-shinned Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 17; Ruffed Grouse, 2; Bob-white, 6; Killdeer, 23; Wilson's Snipe, 1; Screech Owl, 3; Barred Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 8; Pileated Woodpecker, 2; Red-bellied Woodpecker, 2; Hairy Woodpecker, 11; Downy Woodpecker, 19; Eastern Phoebe, 1; Horned Lark, 31; Blue Jay, 57; Am. Crow, 167; Carolina Chickadee, 218; Tufted Titmouse, 150; White-breasted Nuthatch, 34; Red-breasted Nuthatch, 6; Brown Creeper, 4; Winter Wren, 5; Carolina Wren, 66; Mockingbird, 3; Brown Thrasher, 1; Am. Robin, 132; Hermit Thrush, 3; **Olive-backed Thrush,** 4 (observed separately by 2 parties, 3 by J.H., 1 by E.S. in good light with 8x binoculars; identified by markings and calls); Eastern Bluebird, 28; Golden-crowned Kinglet, 18; Ruby-crowned Kinglet, 2; Common Starling, 1409; Myrtle Warbler, 2; Pine Warbler, 1; House Sparrow, 421; Eastern Meadowlark, 38; Purple Grackle, 9; Cardinal, 202; Am. Goldfinch, 194; Eastern Towhee, 87; Slate-colored Junco, 296; Am. Tree Sparrow, 2; Field Sparrow, 96; White-throated Sparrow, 121; Fox Sparrow, 3; Swamp Sparrow, 18; Song Sparrow, 187. **Total,** 54 species; about 4124 individuals.—Sybil Ball, Lucy Barber, Sarah C. Barber, Hazel Cox, John Handlan, Polly Handlan, C. O. Handley, Sr. (compiler), John M. Handley, Nell Hinshelwood, George F. Hurley, Frank M. Johnson, Truth Keeley, Ura Keeley, Dr. and Mrs. Robert D. Ketchum, Gladys M. Murrey, Charles C. Norris, James Samsell, T. R. Samsell, Mr. and Mrs. Don Shearer, Elinor Sims, Clair Smith, John Smith, Fred Woods (Charleston Chapter, Brooks Bird Club).

259. Charles Town (Jefferson Co.) W. Va. (grounds and ponds of Federal Fish Hatchery, pond and stream at Lake Louise Spring, along R.R. from city line to Aldridge, Flowing Springs meadows; same area as past 3 years; small open-water ponds 10%, small stream banks 15%, weedy fields 15%, mature oak forests 15%, cattail marsh 20%, farm fields and fence rows 25%).—Dec. 31; 7 a.m. to 5 p.m. Cloudy, short sunny periods; temp. 35° to 60°; wind SW, 5-10 m.p.h. Four observers in 1 party. Total party-hours, 9 (8 on foot, 1 by car); total party-miles, 36 (12 on foot, 24 by car). Great Blue Heron, 1; Mallard, 47; Turkey Vulture, 17; Black Vulture, 2; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Bob-white, 20 (3 coveys); Killdeer, 1; Wilson's Snipe, 5; Screech Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 4; Blue Jay, 8; Am. Crow, 4300+; Carolina Chickadee, 34; Tufted Titmouse, 2; White-breasted Nuthatch, 4; Carolina Wren, 1; Mockingbird, 7; Am. Robin, 1; Eastern Bluebird, 10; Common Starling, 307; House Sparrow, 139; Eastern Meadowlark, 8; Rusty Blackbird, 180; Brown-headed Cowbird, 2; Cardinal, 27; Am. Goldfinch, 12; Vesper Sparrow, 2; Slate-colored Junco, 31; Am. Tree Sparrow, 107; Field Sparrow, 6; White-crowned Sparrow, 56; White-throated Sparrow, 3; Swamp Sparrow, 3; Song Sparrow, 102. **Total,** 39 species; about 5460 individuals. (Seen in area Dec. 28: Pileated Woodpecker, Yellow-bellied Sapsucker.) —Dorothy H. Caperton, Ray E. Harris, Clark Miller (compiler), Thomas Moore.

260. Huntington, W. Va. (same area as 1940 and subsequent counts).—Dec. 26; 5:30 a.m. to 5:30 p.m. Clear; temp. 25° to 45°; wind calm. Twenty-three observers in 10 parties. Total party-hours, 70 (59 on foot, 11 by car); total party-miles, 242 (59 on foot, 183 by car). Horned Grebe, 2; Pied-billed Grebe, 3; Black Duck, 6; Pintail, 1; Green-winged Teal, 1; Hooded Merganser, 3; Red-breasted Merganser, 1; Sharp-shinned Hawk, 1; Red-shouldered Hawk, 1; Broad-winged Hawk, 1 [no details—Ed.]; Sparrow Hawk, 26; Bob-white, 27; Killdeer, 3; Wilson's Snipe, 1; Ring-billed Gull, 1; Barn Owl, 2; Screech Owl, 3; Barred Owl, 3; Belted Kingfisher, 10; Yellow-shafted Flicker, 33; Pileated Woodpecker, 1; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 8; Downy Woodpecker, 78; Horned Lark, 1; Blue Jay, 81; Am. Crow, 7100; Carolina Chickadee, 267; Tufted Titmouse, 196; White-breasted Nuthatch, 30; Red-breasted Nuthatch, 7; Brown Creeper, 4; Winter Wren, 5; Carolina Wren, 193; Mockingbird, 25; Am. Robin, 243; Hermit Thrush, 3; Eastern Bluebird, 66; Golden-crowned Kinglet, 45; Ruby-crowned Kinglet, 2; Water Pipit, 1; Common Starling, 453; Myrtle Warbler, 33; House Sparrow, 333; Eastern Meadowlark, 63; Red-winged Blackbird, 3; Brown-headed Cowbird, 1; Cardinal, 256; Pine Siskin, 5; Am. Gold-

finch, 154; Eastern Towhee, 110; Savannah Sparrow, 1; Vesper Sparrow, 3; Pine-woods Sparrow, 2 [no details—Ed.]; Slate-colored Junco, 154; Am. Tree Sparrow, 4; Field Sparrow, 34; White-crowned Sparrow, 17; White-throated Sparrow, 80; Swamp Sparrow, 2; Song Sparrow, 322. **Total,** 63 species; about 10,521 individuals.—Clare Newman, Mrs. John Mortison, Dorothy Fisher, Mrs. Grady Risen, Mrs. George Gunnoe, Mrs. Walter Kerr, Howard Lawless, Tom Igow, Joe Roberts, Mrs. H. C. Hale, Lois Garret, N. B. Green, William Goad, Mrs. W. H. Odell, Howell and Hugh Land, R. W. Simmons, R. P. Van Blaricom, Mrs. G. C. Haines, Mrs. Iva Nowlan, Freddie Fitch, Tommy Milewski, Ralph M. Edeburn (compiler).

261. **Inwood, W. Va.** (southern part of Berkeley County, from Big Spring south to Virginia line, from Opequon Creek west to top of North Mt., no point more than 7½ miles from Inwood; apple and cherry orchards 20%, mature oak forests 10%, pasture 15%, open farm fields 20%, scrub growth pine, sumac, locust 30%, marshes 5%).—Dec. 28; 7:30 a.m. to 5:30 p.m. Sunny; temp. 40° to 58°; wind W, 5-15 m.p.h. Two observers in 1 party. Total party-hours, 9½ (8 on foot, 1½ by car); total party-miles, 43 (10 on foot, 33 by car). Turkey vulture, 22; Red-tailed Hawk, 1; Sparrow Hawk, 1; Bob-white, 32 (6 coveys); Killdeer, 3; Wilson's Snipe, 9; Yellow-shafted Flicker, 5; Pileated Woodpecker, 2; Red-bellied Woodpecker, 1; Hairy Woodpecker, 8; Downy Woodpecker, 18; Blue Jay, 37; Am. Crow, 590; Carolina Chickadee, 87; Tufted Titmouse, 41; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 4; Carolina Wren, 1; Mockingbird, 14; Am. Robin, 1; Eastern Bluebird, 6; Golden-crowned Kinglet, 4; Common Starling, 358; House Sparrow, 126; Red-winged Blackbird, 12; Rusty Blackbird, 113; Brown-headed Cowbird, 14; Cardinal, 71; Am. Goldfinch, 113; Slate-colored Junco, 109; Am. Tree Sparrow, 57; Field Sparrow, 4; White-crowned Sparrow, 3; White-throated Sparrow, 3; Song Sparrow, 49. **Total,** 35 species; about 1926 individuals. (Seen in area Jan. 1: Ruffed Grouse, Sharp-shinned Hawk, Eastern Meadowlark.)—Frank Iannucci, Clark Miller (compiler).

262. **Morgantown, W. Va.** (suburban areas to Cheat Lake and Cooper's Rock State Forest; same area as in previous years).—Dec. 26; 6 a.m. to 5 p.m. Clear; temp. 26° to 44°; light intermittent SW breezes; ground bare, practically all of Cheat Lake ice-covered, streams free of ice. Seven observers in four parties. Total party-hours, 33 (23 on foot, 10 by car); total party-miles, 109 (20 on foot, 89 by car). Mallard, 2; Pintail, 2; Buffle-head, 2; **Goshawk,** 1; Sharp-shinned Hawk, 1; Sparrow Hawk, 3; Ruffed Grouse, 3; Ring-necked Pheasant, 1; Killdeer, 2; Screech Owl, 2; Yellow-shafted Flicker, 15; Red-bellied Woodpecker, 3; Hairy Woodpecker, 5; Downy Woodpecker, 22; Horned Lark, 54; Blue Jay, 47; Am. Crow, 138; **Black-capped Chickadee,** 10 (one compact flock; rather common this year); Carolina Chickadee, 104; Tufted Titmouse, 56; White-breasted Nuthatch, 30; Red-breasted Nuthatch, 5; Brown Creeper, 3; Winter Wren, 1; Carolina Wren, 27; Am. Robin, 2; Hermit Thrush, 10; Eastern Bluebird, 11; Golden-crowned Kinglet, 2; Cedar Waxwing, 15; Eastern Meadowlark, 4; Purple Grackle, 1; Cardinal, 92; Pine Grosbeak, 13 (first time on local Christmas count, common in region this winter); Am. Goldfinch, 26; Eastern Towhee, 24; Slate-colored Junco, 89; Tree Sparrow, 51; Field Sparrow, 34; White-throated Sparrow, 14; Fox Sparrow, 2; Song Sparrow, 61. **Total,** 42 species; 990 individuals. (Seen in area Dec. 25: Mockingbird; Dec. 27: Mourning Dove, 2; Yellow-bellied Sapsucker, 2; White-winged Crossbill, 11.)—Bill Berthy, I. B. Boggs, Fred C. Brooks, Larry Schwab, Charles and Henry Thomas, Maurice Brooks (compiler).

263. **Wheeling, W. Va.** (7½-mile radius centering in Oglebay Park, including Ohio River section, Bear Rock Lakes, Middle Wheeling Creek, vicinity of Camp Giscowheco, Big Wheeling Creek, vicinity Camp Agaming; deciduous woods 60%, pasture and meadow 25%, plow land 10%, urban 5%).—Dec. 26; 7:30 a.m. to 4:30 p.m. Clear; temp. 20° to 45°; wind SSW to E, 2-3 m.p.h.; ground clear, small streams partially frozen, small ponds with thin scum of ice. Thirty-three observers in 4 parties. Total party-hours, 216 (172 on foot, 44 by car); total party-miles, 304 (74 on foot, 230 by car). Pied-billed Grebe, 1; Mallard, 1; Black Duck, 47; Ruddy Duck, 1; Cooper's Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 3; Bob-white, 16; Ring-necked Pheasant, 2; Killdeer, 1; **Am. Woodcock,** 1; Barn Owl, 1; Screech Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 8; Pileated Woodpecker, 6; Red-bellied Woodpecker, 5; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 12; Downy Woodpecker, 42; **Eastern Phoebe,** 3; Am. Crow, 171; Carolina Chickadee, 166; Tufted Titmouse, 55; White-breasted Nuthatch, 23; Red-breasted Nuthatch, 6; Brown Creeper, 13; Winter Wren, 1; Carolina Wren, 37; Am. Robin, 11; Eastern Bluebird, 13; Golden-crowned Kinglet, 3; Common Starling, 175; House Sparrow, 138; Eastern Meadowlark, 8; Brown-headed Cowbird, 3; Cardinal, 108; Am. Goldfinch, 8; Eastern Towhee, 1; Slate-colored Junco, 33; Am. Tree Sparrow, 20; Chipping Sparrow, 13 [no details—Ed.]; White-crowned Sparrow, 1; Fox Sparrow, 1; Song Sparrow, 23. **Total,** 47 species; about 1197 individuals. (In area Dec. 24: White-throated Sparrow; adjacent to census boundary Dec. 28: Brown-capped Chickadee, Brown Thrasher.)—Jerry Amos, Bob Behanna, Delbert Blattler, John S. Bonar, Edna Bowles, George Breiding (compiler), Wilma Bruhn, Delores Broemsen, Dorothy Broemsen, Mick Castilow, Chuck Conrad, James Denham, Jerry Devaul, Sandy Evans, Bill Ewing, Gertrude Hammel, Kitty Lou Hammel, Maria Hammel, Mr. and Mrs. Otto Hammel, Ronald Keitzer, Frank Krieger, John Lash, Helen Nortemann, Glen Phillips, Bill Shields, Tom Shields, Tom S. Shields, Jr., Julia Smith, James Stephan, Bill Wagener, John Winesdorfer, William Yenke (Oglebay Field Naturalists and Brooks Bird Club),

264. Bowling Green, Ky. (Chaney and Schneider Farms, Three Springs, mouth of Gasper area; open woods 30%, farmlands 40%, stream banks 20%, marsh 10%).—Dec. 29; 6:45 a.m. to 4:45 p.m. Cloudy, frequent showers; temp. 40° to 64°; wind SW to W, 5-20 m.p.h.; ground bare, streams full and rising. Five observers in 2 parties. Total party-hours, 40 (35 on foot, 5 by car); total party-miles, 50 (10 on foot, 40 by car). Pied-billed Grebe, 2; Mallard, 1; Black Duck, 25; Turkey Vulture, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Rough-legged Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 3; Bob-white, 3; Mourning Dove, 160; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 34; Pileated Woodpecker, 9; Red-bellied Woodpecker, 21; Red-headed Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 25; Eastern Phoebe, 1; Horned Lark, 179; Blue Jay, 40; Am. Crow, 473; Carolina Chickadee, 64; Tufted Titmouse, 61; Brown Creeper, 3; Winter Wren, 6; Bewick's Wren, 1; Carolina Wren, 22; Mockingbird, 12; Am. Robin, 132; Hermit Thrush, 6; Eastern Bluebird, 56; Cedar Waxwing, 222; Loggerhead Shrike, 1; Common Starling, 474; House Sparrow, 159; Eastern Meadowlark, 192; Red-winged Blackbird, 6; Cardinal, 145; Purple Finch, 29; Pine Siskin, 1; Am. Goldfinch, 203; Eastern Towhee, 33; Savannah Sparrow, 11; Slate-colored Junco, 198; Am. Tree Sparrow, 2; Field Sparrow, 16; White-crowned Sparrow, 11; White-throated Sparrow, 378; Fox Sparrow, 19; Swamp Sparrow, 15; Song Sparrow, 25. **Total,** 53 species; about 3496 individuals. (Seen in area Christmas week: Canada Goose, Yellow-bellied Sapsucker, White-breasted Nuthatch, Red-breasted Nuthatch, Golden-crowned Kinglet, Myrtle Warbler, Purple Grackle.) —L. Y. Lancaster, Russell Starr, Charles L. Taylor, J. R. Whitmer, Gordon Wilson (compiler).

265. Danville, Ky. (most roads in and near county; farmland, thickets, ponds).—Jan. 2; 6:30 a.m. to 4:30 p.m. Rain most of day; temp. 35° to 53°; wind SW, 5-20 m.p.h.; all water open but ponds so full there were no margins. Nine observers in 4 parties. Total party-hours, 30 (9 on foot, 21 by car); total party-miles, 225 (15 on foot, 210 by car). Great Blue Heron, 1; Mallard, 43; Black Duck, 5; Canvas-back, 2; Lesser Scaup, 1; Ruddy Duck, 2; Turkey Vulture, 61; Red-tailed Hawk, 2; Sparrow Hawk, 21; Mourning Dove, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 16; Horned Lark, 5; Blue Jay, 6; Am. Crow, 8000; Carolina Chickadee, 56; Tufted Titmouse, 46; White-breasted Nuthatch, 4; Bewick's Wren, 1; Carolina Wren, 16; Mockingbird, 8; Am. Robin, 22; Eastern Bluebird, 41; Cedar Waxwing, 1; Common Starling, 520; Myrtle Warbler, 1; House Sparrow, 347; Eastern Meadowlark, 15; Cardinal, 106; Am. Goldfinch, 20; Eastern Towhee, 4; Slate-colored Junco, 126; Field Sparrow, 31; White-crowned Sparrow, 52; White-throated Sparrow, 34; Song Sparrow, 59. **Total,** 39 species; about 9682 individuals.—Edna Drill Heck, Frank Heck, John Cheek, Florence Davis, Jackson Davis, Betty Ullrich, LeRoy Ullrich, M. Glore, Scott Glore, Jr. (compiler).

266. Henderson, Ky. (7½-mile radius from Audubon State Park Museum; deciduous woods 28%, sloughs and bottomlands 9%, soy bean and corn fields 12%, hills, pastures and fencerows 25%, rivers and river banks 18%, town and suburbs 5%, abandoned fields 3%).—Dec. 26; 7:30 a.m. to 4 p.m. Clear; temp. 36° to 60°; wind SSE, 9 m.p.h.; barometer 30.33 in., steady. Eleven observers in 5 parties. Total party-hours, 40 (25 on foot, 10 by car, 5 by boat); total party-miles, 87 (25 on foot, 27 by car, 35 by boat). Common Loon, 2; Great Blue Heron, 12; Canada Goose, 269; Mallard, 5450; Black Duck, 280; Pintail, 202; Green-winged Teal, 13; Wood Duck, 10; Redhead, 2; Canvas-back, 8; Lesser Scaup, 27; Red-breasted Merganser, 6; Turkey Vulture, 8; Sharp-shinned Hawk, 11; Cooper's Hawk, 4; Red-tailed Hawk, 11; Red-shouldered Hawk, 2; Broad-winged Hawk, 1 [no details—Ed.]; Rough-legged Hawk, 5; Marsh Hawk, 14; Peregrine Falcon, 2; **Pigeon Hawk,** 1; Sparrow Hawk, 9; Bob-white, 52; Am. Coot, 26; Killdeer, 5; Herring Gull, 73; Mourning Dove, 817; Barn Owl, 4; Screech Owl, 4; Barred Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 12; Pileated Woodpecker, 2; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 13; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 14; Horned Lark, 66; Blue Jay, 34; Am. Crow, 4850; Carolina Chickadee, 30; Tufted Titmouse, 24; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 3; Winter Wren, 2; Bewick's Wren, 1; Carolina Wren, 11; Mockingbird, 21; Am. Robin, 16; Hermit Thrush, 2; Eastern Bluebird, 50; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 2; Cedar Waxwing, 24; Loggerhead Shrike, 1; Common Starling, 3500; Myrtle Warbler, 1; House Sparrow, 275; Eastern Meadowlark, 95; Red-winged Blackbird, 2; Purple Grackle, 21; Cardinal, 92; Am. Goldfinch, 34; Eastern Towhee, 6; **Grasshopper Sparrow,** 6 (3 each by 2 parties); Vesper Sparrow, 17; Slate-colored Junco, 162; Am. Tree Sparrow, 15; Chipping Sparrow, 6; Field Sparrow, 22; White-crowned Sparrow, 38; White-throated Sparrow, 29; Fox Sparrow, 3; Swamp Sparrow, 9; Song Sparrow, 8. **Total,** 78 species; about 16,885 individuals.—Walter H. Alves, King Benson, Mrs. Lora Clark, Garlan Hays, Amelia Klutey, Jerry McKinney, W. H. Rhoads, W. P. Rhoads (compiler), Frank Sauerheber, Virginia Smith, Robert C. Soaper.

267. Kentucky Woodlands National Wildlife Refuge, Ky. (7½-mile radius centering near junction of old Highway 58 and the ridge road; northward to Kentucky Dam Village, southward to the Mulberry Flat road, eastward to Cumberland River, westward to west side of Kentucky Lake; open water 15%, marsh 10%, fields 60%, woodlands 10%, urban 5%).—Dec. 26; 6 a.m. to 5 p.m. Clear to partly cloudy; temp. 30° to 62°; wind S to SW, 0-8 m.p.h.; ground with thin crust of ice which melted during day, open water not frozen, smaller protected pools with thin ice in early morning. Fifteen observers in 6 parties. Total party-hours, 54 (40 on foot, 10 by car, 4 by motor boat); total party-miles, 205 (31 on foot, 164 by car, 10 by motor boat). Great Blue Heron, 3;

Canada Goose, 3500; Mallard, 10,800; Black Duck, 1250; Gadwall, 105; Am. Widgeon, 58; Pintail, 87; Green-winged Teal, 1; Shoveller, 1; Redhead, 18; Ring-necked Duck, 61; Lesser Scaup, 47; Am. Golden-eye, 5; Buffle-head, 6; Hooded Merganser, 120; Am. Merganser, 348; Red-breasted Merganser, 2; Black Vulture, 2; Cooper's Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 7; Golden Eagle, 2; Bald Eagle, 16; Marsh Hawk, 5; Sparrow Hawk, 1; Bob-white, 21; Turkey, 2; Killdeer, 21; Herring Gull, 22; Ring-billed Gull, 630; Bonaparte's Gull, 1; Mourning Dove, 22; Horned Owl, 7; Barred Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 12; Pileated Woodpecker, 3; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 62; Eastern Phoebe, 2; Horned Lark, 1; Blue Jay, 41; Am. Crow, 64; Carolina Chickadee, 63; Tufted Titmouse, 94; White-breasted Nuthatch, 39; Red-breasted Nuthatch, 1; Brown Creeper, 3; **House Wren,** 1; Winter Wren, 1; Bewick's Wren, 1; Carolina Wren, 12; Mockingbird, 7; Brown Thrasher, 2; Am. Robin, 53; Hermit Thrush, 2; Eastern Bluebird, 67; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 1; Cedar Waxwing, 6; Common Starling, 265; Myrtle Warbler, 19; House Sparrow, 58; Eastern Meadowlark, 115; Red-winged Blackbird, 87; Purple Grackle, 206; Brown-headed Cowbird, 3; Cardinal, 107; Purple Finch, 104; Am. Goldfinch, 92; Eastern Towhee, 45; Savannah Sparrow, 5; Slate-colored Junco, 443; Am. Tree Sparrow, 1; Chipping Sparrow, 2; Field Sparrow, 14; White-crowned Sparrow, 5; White-throated Sparrow, 209; Fox Sparrow, 32; Swamp Sparrow, 4; Song Sparrow, 10. **Total,** 84 species; about 19,571 individuals.—Evelyn Barbig, Howard Barbig, John Beck, Fred Cunningham, Eugene Cypert (compiler), Mary Lou Cypert, Roy Grissell, Hunter Hancock, Kenneth Maynard, Taye Maynard, Tim Maynard, Crockett Mathis, Charles McPherson, Lauren Putnam, George Smith (Kentucky Lake Natural History Society).

268. Louisville, Ky. (same area as previous years).—Dec. 26; 5 a.m. to 5:30 p.m. Clear; temp. 37° to 60°; wind S to SW, 0-5 m.p.h.; ponds frozen, creeks and river open. Thirty-two observers in 10 parties. Total party-hours, 69 (58 on foot, 11 by car); total party-miles, 110 (32 on foot, 78 by car). Horned Grebe, 3; Black-crowned Night Heron, 39; Mallard, 2600+; Black Duck, 600+; Pintail, 9; Ring-necked Duck, 10; Canvas-back, 25; Lesser Scaup, 350; Am. Golden-eye, 3; Buffle-head, 2; Ruddy Duck, 2; Turkey Vulture, 13; Black Vulture, 9; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 9; Bald Eagle, 1; Marsh Hawk, 6; Peregrine Falcon, 1; Sparrow Hawk, 20; Bob-white, 47; Am. Coot, 1; Killdeer, 23; Wilson's Snipe, 3; Herring Gull, 37; Ring-billed Gull, 433; Mourning Dove, 50; Screech Owl, 3; Horned Owl, 2; Barred Owl, 3; Short-eared Owl, 2; Belted Kingfisher, 5; Yellow-shafted Flicker, 44; Pileated Woodpecker, 5; Red-bellied Woodpecker, 36; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 13; Downy Woodpecker, 28; Horned Lark, 98; Blue Jay, 46; Am. Crow, 200; Carolina Chickadee, 133; Tufted Titmouse, 44; White-breasted Nuthatch, 20; Red-breasted Nuthatch, 2; Brown Creeper, 3; Winter Wren, 2; Carolina Wren, 33; Mockingbird, 62; Brown Thrasher, 1; Am. Robin, 529; Eastern Bluebird, 61; Golden-crowned Kinglet, 7; Cedar Waxwing, 21; Loggerhead Shrike, 5; Common Starling, 10,000+; Myrtle Warbler, 2; **Palm Warbler,** 6 (Krulls); House Sparrow, 256; Eastern Meadowlark, 72; Red-winged Blackbird, 24; Cardinal, 229; Purple Finch, 1; Pine Siskin, 98; Am. Goldfinch, 146; **White-winged Crossbill,** 23 (Slack); Eastern Towhee, 85; Savannah Sparrow, 1; **Vesper Sparrow,** 1 (Ellingtons); Slate-colored Junco, 246; **Oregon Junco,** 2 (2 highly marked birds wintering); Am. Tree Sparrow, 1; Field Sparrow, 23; White-crowned Sparrow, 28; White-throated Sparrow, 105; Fox Sparrow, 1; Swamp Sparrow, 15; Song Sparrow, 51. **Total,** 79 species; about 17,128 individuals.—Mr. and Mrs. Yancey R. Altsheler, Leonard C. Brecher, Charles L. Clagett, Mrs. W. R. Cole, Joseph Croft, Amy Dean, Charlotte and Dorothy Ellington, Thomas C. Fuller, Paxton Gibbs, Mrs. A. W. Halverson, Frank and Frank X. Krull, Dr. and Mrs. Harvey B. Lovell, John H. Lovell, Mrs. John H. McChord, Eric Mills, Burt L. Monroe, Sr. (compiler), Mrs. H. V. Noland, Louis H. Pieper, Marie E. Pieper, Walter H. Shackleton, Mabel Slack, Mr. and Mrs. Frederick W. Stamm, Charles Strull, Mrs. Wm. B. Tabler, Edward Wetherell, Virginia Windstanley, Audrey A. Wright (Beckham Bird Club).

269. Otter Creek Park, Ky. (Ohio River, park, adjacent farmlands; river 10%, mature woods 10%, brushy fields 50%, open meadows and farmlands 30%).—Jan. 2; 8:30 a.m. to 4 p.m. Sunny; temp. 40° to 55°; wind NW, 7 m.p.h. Four observers in 2 parties. Total party-hours, 12 (8 on foot, 4 by car); total party-miles, 30 (12 on foot, 18 by car). Mallard, 8; Sharp-Shinned Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Bob-white, 5; Killdeer, 1; Mourning Dove, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 7; Pileated Woodpecker, 2; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 4; Horned Lark, 1; Blue Jay, 32; Am. Crow, 68; Carolina Chickadee, 42; Tufted Titmouse, 17; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 1; Brown Creeper, 1; Carolina Wren, 1; Mockingbird, 2; Am. Robin, 83; Eastern Bluebird, 21; Golden-crowned Kinglet, 1; Cedar Waxwing, 47; Common Starling, 600; Myrtle Warbler, 15; House Sparrow, 30; Eastern Meadowlark, 27; Purple Grackle, 1; Cardinal, 26; Purple Finch, 11; Am. Goldfinch, 47; Eastern Towhee, 11; Slate-colored Junco, 95; Am. Tree Sparrow, 26; Field Sparrow, 2; White-throated Sparrow, 2; Swamp Sparrow, 4; Song Sparrow, 14. **Total,** 44 species; about 1271 individuals.—Frank X. Krull, Harvey B. Lovell, Anne L. Stamm, Frederick W. Stamm.

270. Big Bald Mountain (Unicoi-Yancey Counties), Tenn.-N.C. (from east fork of Higgins Creek [3400 ft.] to Appalachian Trail [5000 ft.] and summit of Big Bald [5516 ft.]; deciduous woodland 70%,

grassy treeless area 30%).—Jan. 2; 7:30 a.m. to 5 p.m. Clear after 9 a.m., excellent visibility; temp. 34° to 45°; ground fairly dry, remnants of snow on east slope of Big Bald. One observer. Total hours, 9½; total miles, 9 (on foot). Ruffed Grouse, 2 (5100 ft., 5200 ft.); Hairy Woodpecker, 1 (5250 ft.); Blue Jay, 5 (4600 ft., 5100-5200 ft.); chickadee (sp.), 3 (3450 ft.); Tufted Titmouse, 9 (5000-5300 ft.); White-breasted Nuthatch, 2 (5000 ft., 5150 ft.); Carolina Wren, 1 (3400 ft.); Cardinal, 2 (3400 ft.); Slate-colored (Carolina) Junco, 44 (3400-5300 ft.); **Fox Sparrow,** 2 (5000 ft., 5300 ft.); Song Sparrow, 1 (3400 ft.); **Snow Bunting,** 1 (5500 ft.). **Total,** 12 species; 73 individuals.—Fred W. Behrend.

271. **Chattanooga, Tenn.** (7½-mile radius centering on Missionary Ridge and Route 41, including portions of N. Chattanooga, Chickamauga Dam, Brainerd, E. Ridge [in Tenn.], Chickamauga Park [in Ga.]; creek edges 10%, ponds and lakes 5%, roadsides 5%, town suburbs 15%, weedy fields 30%, woodland edges 35%).—Jan. 2; 7:15 a.m. to 4:30 p.m. Foggy until 10 a.m., then clear; temp. 48° to 70°; wind 0-8 m.p.h. Twelve observers in 6 parties. Total party-hours, 32 (25 on foot, 7 by car); total party-miles, 124 (25 on foot, 99 by car). Pied-billed Grebe, 3; Great Blue Heron, 1; Mallard, 100+; Black Duck, 100+; Am. Widgeon, 4; Ring-necked Duck, 20; Turkey Vulture, 1; Black Vulture, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 3; Am. Coot, 1; Killdeer, 54; Herring Gull, 105; Ring-billed Gull, 20; Mourning Dove, 217; Belted Kingfisher, 2; Yellow-shafted Flicker, 17; Pileated Woodpecker, 3; Red-bellied Woodpecker, 17; Red-headed Woodpecker, 9; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 14; Eastern Phoebe, 3; Horned Lark, 20; Blue Jay, 104; Am. Crow, 111; Carolina Chickadee, 48; Tufted Titmouse, 65; White-breasted Nuthatch, 19; Brown Creeper, 1; Winter Wren, 2; Bewick's Wren, 1; Carolina Wren, 42; Mockingbird, 46; Brown Thrasher, 11; Am. Robin, 103; Hermit Thrush, 2; Eastern Bluebird, 47; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 1; Water Pipit, 5; Cedar Waxwing, 282; Loggerhead Shrike, 11; Common Starling, 384; Myrtle Warbler, 27; Pine Warbler, 9; House Sparrow, 45; Eastern Meadowlark, 161; Rusty Blackbird, 6; Purple Grackle, 3; Cardinal, 108; Purple Finch, 19; Am. Goldfinch, 54; Eastern Towhee, 84; Slate-colored Junco, 79; Chipping Sparrow, 5; Field Sparrow, 159; White-crowned Sparrow, 6; White-throated Sparrow, 170; Swamp Sparrow, 1; Song Sparrow, 55. **Total,** 64 species; about 3010 individuals. (Seen in area Jan. 1: Pine Siskin, 20.)—Mrs. J. R. Barnwell, Mr. and Mrs. T. S. Barr, W. K. Butts, R. S. Bingham, Jr., Mrs. L. F. Cross, Ray Dietrich, Mrs. J. S. Hall, Mrs. H. L. Sliger, Mrs. F. A. Walsh, Mr. and Mrs. Eugene M. West (compiler) (Chattanooga Chapter, T. O. S.).

272. **Elizabethton, Tenn.** (same area as in past 10 years with center at Valley Forge; lake border 5%, stream borders 50%, woodlands 25%, open fields 20%).—Jan. 2; 7:30 a.m. to 5:30 p.m. Partially cloudy to clear; temp. 48° to 60°; wind WSW, 0-10 m.p.h. Fourteen observers in 8 parties. Total party-hours, 41 (30 on foot, 7 by car, 4 by motor boat); total party-miles, 195 (26 on foot, 153 by car, 16 by boat). Horned Grebe, 3; Pied-billed Grebe, 5; Mallard, 34; Black Duck, 3; Gadwall, 5; Am. Widgeon, 2; Redhead, 1; Lesser Scaup, 2; Buffle-head, 2; Hooded Merganser, 4; Am. Merganser, 1; Cooper's Hawk, 3; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 5; Bob-White, 1; Killdeer, 27; Wilson's Snipe, 1; Mourning Dove, 193; Belted Kingfisher, 13; Yellow-shafted Flicker, 19; Pileated Woodpecker, 4; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 4; Downy Woodpecker, 19; Eastern Phoebe, 11; Horned Lark, 7; Blue Jay, 35; Am. Crow, 767; Carolina Chickadee, 112; Tufted Titmouse, 43; Red-breasted Nuthatch, 2; Brown Creeper, 1; Winter Wren, 3; Carolina Wren, 45; Mockingbird, 40; Am. Robin, 16; Hermit Thrush, 8; Eastern Bluebird, 77; Cedar Waxwing, 46; Loggerhead Shrike, 6; Common Starling, 201; Myrtle Warbler, 37; Pine Warbler, 1; House Sparrow, 142; Eastern Meadowlark, 78; Cardinal, 99; Purple Finch, 12; Am. Goldfinch, 181; Eastern Towhee, 26; Slate-colored Junco, 85; Field Sparrow, 119; White-crowned Sparrow, 23; White-throated Sparrow, 93; Fox Sparrow, 5; Swamp Sparrow, 3; Song Sparrow, 79. **Total,** 59 species; about 2762 individuals.—Mrs. D. E. Bashor, Mr. and Mrs. J. C. Browning, Mary Cook, Dr. and Mrs. Lee R. Herndon, Mrs. Ruth and Dickie Hughes, H. P. Langridge, John Luker, Mr. and Mrs. Roby D. May, Jr., Mrs. Hugh L. Taylor, Frank Ward (Elizabethton Chapter, T. O. S.)

273. **Great Smoky Mountains National Park, Tenn.-N. C.** (same as 1937 and subsequent years).—Jan. 2; 6:30 a.m. to 6 p.m. Mostly clear; temp. 38° to 65°; wind variable, up to 25 m.p.h. at high altitudes; some snow in shade at higher elevations. Thirty observers in 12 parties. Total party-hours, 73 (62 on foot, 11 by car); total party-miles, 154 (58 on foot, 96 by car). Turkey Vulture, 1; Red-tailed Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 4; Ruffed Grouse, 2; Bob-white, 4; Killdeer, 4; Mourning Dove, 20; Screech Owl, 2; Horned Owl, 2; Belted Kingfisher, 4; Yellow-shafted Flicker, 5; Pileated Woodpecker, 16; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 5; Downy Woodpecker, 25; Eastern Phoebe, 10; Horned Lark, 7; Blue Jay, 19; Common Raven, 2; Am. Crow, 123; Carolina Chickadee, 185 (includes Black-capped); Tufted Titmouse, 35; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 15; Brown Creeper, 15; Winter Wren, 6; Bewick's Wren, 1; Carolina Wren, 37; Mockingbird, 6; Am. Robin, 138; Hermit Thrush, 13; Eastern Bluebird, 44; Golden-crowned Kinglet, 19; Ruby-crowned Kinglet, 1; Cedar Waxwing, 31; Loggerhead Shrike, 5; Common Starling, 102; Myrtle Warbler, 1; Pine Warbler, 1; **Louisiana Water-thrush,** 1 (present since Dec. 8, A.S., J.T.); House Sparrow, 62; Eastern Meadowlark, 25; Red-winged Blackbird, 1; Cardinal, 41; Evening Grosbeak, 33; Purple Finch, 55; Pine Siskin, 7; Am. Goldfinch, 254; Red Crossbill, 1; Eastern

Towhee, 12; Savannah Sparrow, 8; Vesper Sparrow, 1; Slate-colored Junco, 200; Field Sparrow, 210; White-throated Sparrow, 89; Fox Sparrow, 4; Swamp Sparrow, 2; Song Sparrow, 70. **Total,** 60 species; about 1999 individuals.—Mary Ruth Chiles, Brockway Crouch, Larry Doyle, Mr. and Mrs. Robert J. Dunbar, Keeton Griffin, Joseph C. Howell, Elsie S. Janson, William M. Johnson, Tony Koella, Richard Laurence, Granville B. Liles, James E. Liles, Henry W. Lix, Richard A. Lorenz, Dorothy MacLean, Mr. and Mrs. R. A. Monroe, Meredith Morris, Mrs. E. E. Overton, J. B. Owen, Mr. and Mrs. L. B. Schneider, Jr., Mr. and Mrs. Louis F. Smith, Jr., Arthur Stupka, James T. Tanner, Samuel R. Tipton, Dorothy E. Williams, Mary Williams (T. O. S., National Park Service and guests).

274. Johnsonville, Tenn. (7½-mile radius centering at Johnsonville; Tennessee National Wildlife Refuge eastward to upper part of Duck River dike, southward to Eagle Creek, westward to Camden, northward along Kentucky Lake to mouth of Dry Creek; open water 50%, woodland 5%, brushland 5%, open field 38%, urban 2%).—Jan. 2; 7:30 a.m. to 4:30 p.m. Extremely foggy until 9 a.m., then clear; temp. 39° to 63°; wind E to NE, 0-5 m.p.h. Eighteen observers in 5 parties. Total party-hours, 33 (28 on foot, 4 by car, 1 by plane); total party-miles, 160 (18 on foot, 72 by car, 70 by plane). Pied-billed Grebe, 4; Double-crested Cormorant, 200; Great Blue Heron, 48; Canada Goose, 2500; Snow Goose, 1; Mallard, 12,000; Black Duck, 2000; Gadwall, 2500; Am. Widgeon, 1500; Pintail, 2500; Green-winged Teal, 700; Shoveller, 1; Ring-necked Duck, 1500; Canvas-back, 1; Lesser Scaup, 6; Buffle-head, 4; Hooded Merganser, 3000; Am. Merganser, 100; Cooper's Hawk, 2; Red-tailed Hawk, 16; Red-shouldered Hawk, 4; Golden Eagle, 1; Bald Eagle, 15; Marsh Hawk, 3; Peregrine Falcon, 2; Sparrow Hawk, 5; Bob-white, 1; Am. Coot, 4; Killdeer, 44; Herring Gull, 5; Ring-billed Gull, 1500; Mourning Dove, 90; Screech Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 7; Pileated Woodpecker, 6; Red-bellied Woodpecker, 7; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 1; Downy Woodpecker, 17; Eastern Phoebe, 1; Horned Lark, 12; Blue Jay, 10; Am. Crow, 500; Carolina Chickadee, 20; Tufted Titmouse, 8; White-breasted Nuthatch, 2; Winter Wren, 1; Bewick's Wren, 2; Carolina Wren, 14; Long-billed Marsh Wren, 1; Mockingbird, 12; Am. Robin, 8; Eastern Bluebird, 10; Golden-crowned Kinglet, 2; Water Pipit, 6; Cedar Waxwing, 46; Loggerhead Shrike, 7; Common Starling, 73; Myrtle Warbler, 1; House Sparrow, 18; Eastern Meadowlark, 38; Red-winged Blackbird, 3000; Rusty Blackbird, 5; Purple Grackle, 400; Cardinal, 45; Purple Finch, 3; Am. Goldfinch, 152; Eastern Towhee, 12; Savannah Sparrow, 25; Leconte's Sparrow, 1; Vesper Sparrow, 7; Slate-colored Junco, 80; Field Sparrow, 13; White-crowned Sparrow, 24; White-throated Sparrow, 130; Fox Sparrow, 6; Swamp Sparrow, 125; Song Sparrow, 125. **Total,** 79 species; about 35,250 individuals.—Evelyn Barbig, Howard Barbig, W. F. Bell, Mrs W. F. Bell, Ruth Castles, Eugene Cypert (compiler), Mary Lou Cypert, Albert F. Ganier, Eddie Gleaves, Al Mayfield, Mrs. Al Mayfield, Charles McPherson, John Ogden, Douglas Oxford, Jennie Riggs, Dan Schreiber, George Smith, Parker Smith.

275. Kingsport, Tenn. (7½-mile radius centering on Pactolus, including Bays Mt.; residential 10%, fields 20%, deciduous woods 40%, ponds and lake 30%).—Dec. 26; 7:30 a.m. to 5:30 p.m. Clear; temp. 20° to 60 °; no wind; thin ice on ponds, lake open, no snow on ground. Three observers in 3 parties. Total party-hours, 18 (16 on foot, 2 by car); total party-miles, 56 (6 on foot, 50 by car). Canada Goose, 4; Pintail, 2; Turkey Vulture, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Sparrow Hawk, 2; Killdeer, 5; Mourning Dove, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 6; Pileated Woodpecker, 2; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 4; Eastern Phoebe, 3; Blue Jay, 29; Am. Crow, 24; Carolina Chickadee, 19; Tufted Titmouse, 14; White-breasted Nuthatch, 2; Brown Creeper, 2; Bewick's Wren, 1; Carolina Wren, 17; Mockingbird, 5; Am. Robin, 2; Eastern Bluebird, 17; Cedar Waxwing, 32; Loggerhead Shrike, 1; Common Starling, 4000; Myrtle Warbler, 10; House Sparrow, 51; Eastern Meadowlark, 9; Cardinal, 20; Purple Finch, 2; Am. Goldfinch, 56; Eastern Towhee, 21; Slate-colored Junco, 17; Field Sparrow, 6; White-crowned Sparrow, 6; White-throated Sparrow, 22; Song Sparrow, 34. **Total,** 43 species; about 4459 individuals.—Mrs. Robert M. Switzer (compiler), W. E. Gift, Howard S. Young.

276. Memphis, Tenn. (1953 areas generally; wooded bottomlands 27%, deciduous woodlands including city parks 25%, pastures, airports, and farms 25%, suburban roadsides 20%, island willow thicket and river's edge 3%).—Dec. 26; 6:40 a.m. to 5 p.m. Cloudy; temp. 43° to 64°; wind SE, 9-18 m.p.h. Twenty-six observers in 8 parties. Total party-hours, 98 (76 on foot, 22 by car); total party-miles, 211 (69 on foot, 142 by car). Pied-billed Grebe, 9; Great Blue Heron, 1; Mallard, 11; Ring-necked Duck, 35; Canvas-back, 25; Lesser Scaup, 250; Turkey Vulture, 6; **Sharp-shinned Hawk,** 1 (B.C.); Cooper's Hawk, 2; Red-tailed Hawk, 17; Red-shouldered Hawk, 7; **Rough-legged Hawk,** 2 (1, R.D.S., H.W., 1, H. L.); Marsh Hawk, 4; Sparrow Hawk, 18; Bob-white, 78; Killdeer, 181; Wilson's Snipe, 3; Ring-billed Gull, 40; Mourning Dove, 134; Screech Owl, 1; Barred Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 79; Pileated Woodpecker, 1; Red-bellied Woodpecker, 26; Red-headed Woodpecker, 10; Yellow-bellied Sapsucker, 9; Hairy Woodpecker, 14; Downy Woodpecker, 57; Eastern Phoebe, 3; Horned Lark, 193; Blue Jay, 295; Am. Crow, 47; Fish Crow, 14; Carolina Chickadee, 181; Tufted Titmouse, 68; White-breasted Nuthatch, 2; Brown Creeper, 2; Winter Wren, 11; Bewick's Wren, 2; Carolina Wren, 106; Mockingbird, 119; Brown Thrasher, 23; Am. Robin, 2854; Hermit Thrush, 23; Eastern Bluebird, 30; Golden-crowned Kinglet, 14; Ruby-crowned Kinglet, 11; Water Pipit, 20;

Sprague's Pipit, 3 (again at Penal Farm, Mrs. B.B.C. *et al.*); Loggerhead Shrike, 38; Common Starling, 70,000; Myrtle Warbler, 46; House Sparrow, 156; Eastern Meadowlark, 196; Red-winged Blackbird, 20,000; Purple Grackle, 70,000; Brown-headed Cowbird, 153; Cardinal, 570; Purple Finch, 64; Am. Goldfinch, 348; **White-winged Crossbill,** 2 (2 males, first state record, N.M., R.W., L.K.); Eastern Towhee, 44; Savannah Sparrow, 88; Slate-colored Junco, 620; **Am. Tree Sparrow,** 1 (E. K.); Field Sparrow, 203; **Harris's Sparrow,** 11 (3 parties); White-crowned Sparrow, 99; White-throated Sparrow, 1737; Fox Sparrow, 87; Swamp Sparrow, 146; Song Sparrow, 431; Lapland Longspur, 196; Smith's Longspur, 5 (again at Penal Farm, Mrs. B.B.C. *et al.*). **Total,** 75 species; about 170,286 individuals. (Pres Island blackbird roost abandoned; 160,000 est. in Elmwood Cemetery; Common Starling, Purple Grackle and Red-winged Blackbird estimates, counts during day not included. Also there, 2500 Am. Robins and, on Dec. 31, 53 Cedar Waxwings, not looked for on Dec. 26.)—Mr. and Mrs. Ben B. Coffey, Jr., Mary Davant, Luther F. Keeton, Lawrence C. Kent, Edward M. King, Harry Landis, Jr., Charles Marcus, Mrs. J. H. McWhorter, Lt. and Mrs. J. H. McWhorter, Jr., Nelle Moore, Edwin Poole, S. J. Rini, Charles, Jr., and Mrs. Charles Seahorn, Alice Smith, Gerald and Mrs. Arlo I. Smith, R. Demett Smith, Jr., Mrs. M. L. Torti, Harry H. Wilcox, Mr. and Mrs. C. E. Wilmeth, Orval Wood III, Mrs. Rose Wooldridge (Memphis Chapter, T. O. S.).

277. Nashville, Tenn. (same localities and terrain as last 4 years plus Bush's 22-acre lake).—Dec. 26; 6:30 a.m. to 5 p.m. Weather clear, visibility good; temp. 30° to 60°; wind W, 5 m.p.h.; ground bare and frozen at start, no water except in creeks. Twenty-three observers in 7 parties. Total party-hours, 58 (48 on foot, 10 by car); total party-miles, 120 (32 on foot, 88 by car). **Horned Grebe,** 5 (first winter record, A.F.G., A.M., J.P.J.); Pied-billed Grebe, 3; Great Blue Heron, 2; **Black-crowned Night Heron,** 6 (first winter record); Mallard, 60; Am. Widgeon, 6; Green-winged Teal, 2; Ring-necked Duck, 18; Canvas-back, 12; Lesser Scaup, 2; Am. Golden-eye, 1; Turkey Vulture, 1; Black Vulture, 13; Cooper's Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 4; Marsh Hawk, 4; Sparrow Hawk, 24; Bob-white, 21; Am. Coot, 2; Killdeer, 118; Wilson's Snipe, 3; **Least Sandpiper,** 4 (present for weeks); Mourning Dove, 148; Screech Owl, 1; Horned Owl, 2; Barred Owl, 1; Short-eared Owl, 2; Belted Kingfisher, 15; Yellow-shafted Flicker, 70; Pileated Woodpecker, 19; Red-bellied Woodpecker, 46; Yellow-bellied Sapsucker, 13; Hairy Woodpecker, 11; Downy Woodpecker, 111; Eastern Phoebe, 4; Horned Lark, 235 (5 flocks); Blue Jay, 40; Am. Crow, 256; Carolina Chickadee, 224; Tufted Titmouse, 115; White-breasted Nuthatch, 2; Brown Creeper, 9; Winter Wren, 13; Bewick's Wren, 5; Carolina Wren, 84; Mockingbird, 95; **Brown Thrasher,** 1; Am. Robin, 541; Hermit Thrush, 14; Eastern Bluebird, 154; Golden-crowned Kinglet, 17; Ruby-crowned Kinglet, 3; Water Pipit, 2; Cedar Waxwing, 22; Loggerhead Shrike, 12; Common Starling, 264; Myrtle Warbler, 98; House Sparrow, 300; Eastern Meadowlark, 156; Red-winged Blackbird, 109; Rusty Blackbird, 2; Purple Grackle, 291; Brown-headed Cowbird, 26; Cardinal, 380; Purple Finch, 13; Pine Siskin, 10; Am. Goldfinch, 775; Eastern Towhee, 103; Savannah Sparrow, 49; Slate-colored Junco, 234; **Am. Tree Sparrow,** 2 (DeB.); Field Sparrow, 140; White-crowned Sparrow, 80; White-throated Sparrow, 230; Fox Sparrow, 1; Swamp Sparrow, 35; Song Sparrow, 205. **Total,** 78 species; about 6110 individuals. (Robins and blackbirds just returning from southward, no large roosts in area yet.)—B. H. Abernathy, Mrs. W. F. Bell, Ruth Castles, D. J. and Fairman Cumming, Mrs. Leon DeBrohun, Charles Farrell, Albert F. Ganier (compiler), Katherine Goodpasture, Helen Howell, J. P. Jones, Amelia Laskey, Al Mayfield, Julia Moore, John Ogden, Douglas Oxford, H. E. Parmer, Jennie Riggs, James Robins, Ed and Dan Schreiber, Charles Weise, Ruth White (Nashville Chapter, T. O. S.)

278. Reelfoot Lake, Tenn. (same area as in past; open water 20%, marsh 15%, wooded bottoms 20%, wooded hillsides 15%, roadsides 12%, fields and farms 18%).—Jan. 1; 6:30 a.m. to 5:30 p.m. Intermittent rain a.m., cloudy to clear p.m.; temp. 57° to 64°; wind S, 0-4 m.p.h. Twelve observers in 5 parties. Total party-hours, 47 (33 on foot, 4 by car, 10 by boat); total party-miles, 127 (30 on foot, 80 by car, 17 by boat). Pied-billed Grebe, 18; Double-crested Cormorant, 10; Great Blue Heron, 60; Canada Goose, 900; Mallard, 2100; Black Duck, 1; Gadwall, 5; Am. Widgeon, 3; Pintail, 54; Green-winged Teal, 3; Blue-winged Teal, 11; Shoveller, 165; Wood Duck, 5; Ring-necked Duck, 95; Canvas-back, 2; Lesser Scaup, 1000; Ruddy Duck, 49; Turkey Vulture, 2; Cooper's Hawk, 1; Red-tailed Hawk, 8; Red-shouldered Hawk, 12; Bald Eagle, 8; Sparrow Hawk, 7; Bob-white, 1; Am. Coot, 15; Killdeer, 4; Wilson's Snipe, 1; Herring Gull, 2; Ring-billed Gull, 1; Mourning Dove, 19; Screech Owl, 1; Horned Owl, 1; Barred Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 57; Pileated Woodpecker, 8; Red-bellied Woodpecker, 50; Red-headed Woodpecker, 6; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 6; Downy Woodpecker, 67; Blue Jay, 23; Am. Crow, 1100; Carolina Chickadee, 169; Tufted Titmouse, 107; White-breasted Nuthatch, 13; Brown Creeper, 3; House Wren, 1; Winter Wren, 6; Bewick's Wren, 1; Carolina Wren, 74; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 2; Mockingbird, 21; Brown Thrasher, 7; Am. Robin, 43; Hermit Thrush, 5; Eastern Bluebird, 27; Golden-crowned Kinglet, 38; Ruby-crowned Kinglet, 6; Loggerhead Shrike, 19; Common Starling, 250,000; Myrtle Warbler, 8; House Sparrow, 202; Eastern Meadowlark, 30; **Red-winged Blackbird,** 4,000,000; **Purple Grackle,** 800,000; **Brown-headed Cowbird,** 50,000; Cardinal, 265; Purple Finch, 9; Am. Goldfinch, 178; Eastern Towhee, 4; Vesper Sparrow, 1; **Leconte's Sparrow,** 2; Slate-colored Junco, 156; Am. Tree Sparrow, 1; Field Sparrow, 43; White-crowned Sparrow, 20; White-throated Sparrow, 528; Fox Sparrow, 22;

Swamp Sparrow, 104; Song Sparrow, 36. **Total,** 82 species; about 5,108,040 individuals. (Blackbird flight greater than ever before observed, marked increase over last year's observations; all estimates considered conservative.)—Mr. and Mrs. Howard Barbig (compilers), John R. Beck, Mr. and Mrs. Eugene Cypert, Dave Childs, Don G. Finegan, Hunter M. Hancock, Victor Julia, Preston Lane, Charles McPherson, George Smith.

279. Roan Mountain (Carter-Mitchell Cos.), Tenn.-N.C. (from crossing of old and new roads [3750 ft.] via old road to Carver's Gap [5512 ft.], thence east-southeast to Grassy Bald [6189 ft.], west via old road to Roan Mt. parking area [6100 ft.], return from latter to Carver's Gap via new road, route of descent from Carver's Gap same as on ascent; deciduous woodland 50%, spruce and fir mixed with rhododendron 25%, grassy area to some extent covered with alder 25%).—Jan. 1: 7 a.m. to 5:30 p.m. Considerable cloudiness, fog reducing visibility from mid-morning to end of day, short period of light rain beginning 3 p.m., valleys bathed in sunshine late p.m.; temp. 40° to 46°; wind SW to S to SE, 3-20 m.p.h., remnants to 10-in. old snow from 4500 ft. upward. One observer. Total hours, 10½; total miles, 13 (on foot). Ruffed Grouse, 2 (4300, 4900 ft.); Common Raven, 1 (6200 ft.); chickadee (sp.), 5 (4450, 4700, 5850 ft.); Tufted Titmouse, 2 (4450, 4700 ft.); White-breasted Nuthatch, 2 (4400 ft.); Am. Robin, 19 (4600 ft.); **Evening Grosbeak,** 4 (6000 ft.); Slate-colored Junco, 19 (3900-6100 ft.); Fox Sparrow, 1 (4200 ft.); **Snow Bunting,** 13 (same flock at 5800, 6175, 6100 ft.). **Total,** 10 species, 68 individuals.—Fred W. Behrend.

280. Birmingham, Ala. (7½-mile radius centering in New Merkle, including East Lake, Oak Mt., Elmwood Cemetery, Lake Purdy; oak-pine woodland 31%; woodland borders 23%, short grass 22%, tall grass including cultivated fields 8%, lakes 7%, suburban 5%, bottomland hardwoods 4%).— Dec. 26; 6 a.m. to 5:30 p.m. Clear; temp. 37° to 60°; wind NE, 4 m.p.h.; ground bare, water open, water levels very low, year's rainfall deficiency 12.85 in. Seventeen observers in 5 parties. Total party-hours, 48¼ (36¾ on foot, 11½ by car); total party-miles, 169 (39 on foot, 130 by car). Pied-billed Grebe, 20; Great Blue Heron, 3; Mallard, 22; Redhead, 1; Ring-necked Duck, 34; Canvas-back, 13; Lesser Scaup, 4; Turkey Vulture, 2; Cooper's Hawk, 4; Red-tailed Hawk, 8; Red-shouldered Hawk, 6; Sparrow Hawk, 4; Bob-white, 48; Am. Coot, 100; Killdeer, 169; Wilson's Snipe, 11; Mourning Dove, 106; Barred Owl, 1; Belted Kingfisher, 13; Yellow-shafted Flicker, 51; Pileated Woodpecker, 10; Red-bellied Woodpecker, 17; Red-headed Woodpecker, 12; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 3; Downy Woodpecker, 21; Red-cockaded Woodpecker, 4; Eastern Phoebe, 5; Blue Jay, 107; Am. Crow, 68; Carolina Chickadee, 111; Tufted Titmouse, 50; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 4; Brown-headed Nuthatch, 7; Brown Creeper, 1; House Wren, 2; Winter Wren, 7; Bewick's Wren, 3; Carolina Wren, 61; Mockingbird, 131; Brown Thrasher, 17; Am. Robin, 51; Hermit Thrush, 14; Eastern Bluebird, 53; Golden-crowned Kinglet, 52; Ruby-crowned Kinglet, 33; Water Pipit, 150; Cedar Waxwing, 134; Loggerhead Shrike, 20; Common Starling, 700+; Myrtle Warbler, 9; Pine Warbler, 10; House Sparrow, 225+; Eastern Meadowlark, 349; Red-winged Blackbird, 347; Rusty Blackbird, 144; Purple Grackle, 616; Brown-headed Cowbird, 118; unidentified blackbirds, 155; Cardinal, 235; Purple Finch, 11; Pine Siskin, 1; Am. Goldfinch, 495; Eastern Towhee, 152; Savannah Sparrow, 25; Vesper Sparrow, 8; Pine-woods Sparrow, 1 (M.F.P.); Slate-colored Junco, 291; Chipping Sparrow, 22; Field Sparrow, 185; White-crowned Sparrow, 22; White-throated Sparrow, 493; Fox Sparrow, 14; Swamp Sparrow, 66; Song Sparrow, 183. **Total,** 75 species; about 6664 individuals. (Lane Park roost of 30,000 blackbirds broken up one week ago. Seen recently: Am. Widgeon, Black Vulture, Turkey, Screech Owl, Horned Owl, Ring-billed Gull, Peregrine Falcon.)—Lee Brewer, Blanche H. Chapman, F. Bozeman Daniel, Sara Davis, Mildred Ferris, Virginia Hamilton, Malcolm Harden, Jr., Thomas A. Imhof (compiler), Robert Martin, Morton H. Perry, M. F. Prather, J. Fisher Rothermel, Idalene F. Snead, J. Bolling Sullivan III, Alfred Walker, Adele West, Eugene M. West (Birmingham Audubon Society and guests).

281. Decatur, Ala. (Wheeler National Wildlife Refuge, 7½-mile radius centering in middle of Tennessee River just off Sively Slough, south shore Decatur to Garth Slough, north shore Whitesides to Blackwell Slough; sloughs managed for waterfowl 32%, woodland borders and brushy areas 32%, lakes, rivers and ponds 10%, short grass 7%, tall grass and farmland 7%, residential 6%, hardwoods 4%, pines 2%).—Dec. 31, 5:50 a.m. to 6 p.m. Complete overcast, brief rain; temp. 29° to 49°; wind SE, 6 m.p.h.; ground bare, water open, Tennessee River very high since 6-in. rain Dec. 29 and 30. Fifteen observers in 4 parties. Total party-hours, 24¼ (11 on foot, 13¼ by car); total party-miles, 134 (9 on foot, 125 by car). Pied-billed Grebe, 29; Double-crested Cormorant, 2; Great Blue Heron, 90; Canada Goose, 9022; Snow Goose, 15; Blue Goose, 188; Mallard, 16,000; Black Duck, 1457; Gadwall, 113; Am. Widgeon, 1462; Pintail, 342; Green-winged Teal, 309; Blue-winged Teal, 35 (flock); **Shoveller,** 72; Ring-necked Duck, 176; Canvas-back, 67; Lesser Scaup, 2; Am. Golden-eye, 1; Buffle-head, 6; Ruddy Duck, 2; Hooded Merganser, 167; unidentified ducks, 1000; Sharp-shinned Hawk, 1; Red-tailed Hawk, 32; Red-shouldered Hawk, 4; Marsh Hawk, 10; Sparrow Hawk, 3; Bob-white, 36 (4 coveys); Am. Coot, 28; Killdeer, 106; Wilson's Snipe, 2; **Greater Yellow-legs,** 1 (M.P.); Least Sandpiper, 8; Herring Gull, 15; Ring-billed Gull, 74; Mourning Dove, 114; Barred Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 10; Pileated Woodpecker, 2; Red-bellied Woodpecker, 11; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 4; Eastern Phoebe, 2; Horned Lark, 52; Blue Jay, 108; Am. Crow, 75,000+ (roost); Carolina Chickadee, 57;

Tufted Titmouse, 6; House Wren, 1; Winter Wren, 1; Bewick's Wren, 1; Carolina Wren, 46; Mockingbird, 79; Brown Thrasher, 7; Am. Robin, 297; Hermit Thrush, 5; Eastern Bluebird, 9; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 3; Water Pipit, 26; Cedar Waxwing, 156; Loggerhead Shrike, 23; Common Starling, 310; Myrtle Warbler, 4; House Sparrow, 605 (400 flock); Eastern Meadowlark, 304; Red-winged Blackbird, 1178; Rusty Blackbird, 81; Purple Grackle, 50; Brown-headed Cowbird, 519; Cardinal, 168; Purple Finch, 17; Am. Goldfinch, 65; Eastern Towhee, 41; Savannah Sparrow, 84; Vesper Sparrow, 30; Slate-colored Junco, 98; Field Sparrow, 223; White-crowned Sparrow, 43; White-throated Sparrow, 187; Fox Sparrow, 9; Swamp Sparrow, 59; Song Sparrow, 254; **Lapland Longspur,** 35. **Total,** 85 species; about 111,284 individuals. (Seen Dec. 20: Common Loon; Dec. 24: Am. Egret, Bald Eagle; Dec. 30: Turkey Vulture, Black Vulture, Wood Duck.)—Thomas Z. Atkeson, William J. Calvert, Palmer Calvert, Donnie Calvert, Malcolm E. Harden, Jr., Robert Helle, Thomas A. Imhof (compiler), John Owen, Merl Parker, Paul Robinson, Idalene F. Snead, Grace Snead, Alfred Walker, Durward O. Wright, Harriet Wright (Alabama Ornithological Society and U. S. Fish and Wildlife Service).

282. Mobile, Ala. (15-mile diameter, including Cochrane Causeway across upper Mobile Bay, Mobile River, Mobile and suburbs, Spring Hill College; river, bay, ponds 30%, marshlands, beaches 30%, upland deciduous and evergreen woods 25%, weedy pastures and roadsides 10%, cultivated fields 5%).—Dec. 29; 8:30 a.m. to 5 p.m. Cloudy in morning, clear in afternoon; temp. 56° to 69°; wind N, 12-18 m.p.h.; all day rain the previous day hampered activities along causeway. One observer. Total hours, 8½ (7 on foot, 1½ by car); total miles, 23 (7 on foot, 16 by car). Horned Grebe, 6; Pied-billed Grebe, 5; White Pelican, 1; Brown Pelican, 11; Double-crested Cormorant, 9; Great Blue Heron, 3; Am. Egret, 15; Snowy Egret, 7; Louisiana Heron, 1; Little Blue Heron, 6; Am. Bittern, 1; Mallard, 5; Black Duck, 7; Mottled Duck, 3; Gadwall, 2000; Am. Widgeon, 125; Pintail, 469; Green-winged Teal, 75; Blue-winged Teal, 195; Redhead, 15; Ring-necked Duck, 237; Canvas-back, 1500; Lesser Scaup, 75; Black Vulture, 2; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Bald Eagle, 1; Marsh Hawk, 3; Sparrow Hawk, 3; Bob-white, 2; Clapper Rail, 1; Florida Gallinule, 2; Am. Coot, 2000; Ringed Plover, 25; Killdeer, 84; Black-bellied Plover, 3; Wilson's Snipe, 7; Least Sandpiper, 15; Red-backed Sandpiper, 11; Dowitcher, 2; Semipalmated Sandpiper, 21; Western Sandpiper, 9; Herring Gull, 57; Ring-billed Gull, 26; Laughing Gull, 7; Forster's Tern, 27; Royal Tern, 17; Caspian Tern, 14; Mourning Dove, 5; Belted Kingfisher, 3; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 2; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 5; Eastern Phoebe, 2; Tree Swallow, 3; Blue Jay, 9; Am. Crow, 6; Fish Crow, 12; Tufted Titmouse, 8; House Wren, 1; Carolina Wren, 5; Long-billed Marsh Wren, 1; Mockingbird, 23; Brown Thrasher, 15; Am. Robin, 342; Hermit Thrush, 5; Eastern Bluebird, 4; Ruby-crowned Kinglet, 9; Water Pipit, 25; Loggerhead Shrike, 5; Common Starling, 2500; Orange-crowned Warbler, 7; Myrtle Warbler, 375; Palm Warbler, 34; Common Yellowthroat, 5; House Sparrow, 56; Eastern Meadowlark, 13; Red-winged Blackbird, 356; Boat-tailed Grackle, 43; Purple Grackle, 7; Cardinal, 14; Am. Goldfinch, 135; Eastern Towhee, 5; Savannah Sparrow, 16; Sharp-tailed Sparrow, 1; Vesper Sparrow, 8; Field Sparrow, 75; White-throated Sparrow, 365; Swamp Sparrow, 13; Song Sparrow, 9. **Total,** 93 species; about 11,651 individuals.—J. L. Dorn (compiler).

283. Montgomery, Ala. (7½-mile radius south of city centering on Hayneville, including Lowndesboro, Letohatchee, Beachwood; pine woods 20%, cultivated pasture 10%, open pasture with native grasses 50%, bottomlands and swamps 15%, artificial ponds 1%, towns 4%).—Jan 2; 9 a.m. to 5 p.m. Heavy fog, clearing about 10 a.m.; temp. 61° to 70°; wind NE, 3-4 m.p.h; water in fields from heavy rain previous day. Four observers in 2 parties. Total party-hours, 15 (10 on foot, 5 by car); total party-miles, 35 (10 on foot, 25 by car). Pied-billed Grebe, 1; Great Blue Heron, 3; Canada Goose, 3; Mallard, 33; Pintail, 7; Wood Duck, 2; Lesser Scaup, 4; Ruddy Duck, 4; Turkey Vulture, 1; Black Vulture, 13; Red-tailed Hawk, 8; Red-shouldered Hawk, 1; Sparrow Hawk, 3; Bob-white, 5; Am. Coot, 5; Killdeer, 36; Mourning Dove, 47; Belted Kingfisher, 1; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 18; Yellow-bellied Sapsucker 2; Hairy Woodpecker, 4; Downy Woodpecker, 2; Red-cockaded Woodpecker, 2; Eastern Phoebe, 6; Blue Jay, 42; Am. Crow, 35; Carolina Chickadee, 7; Bewick's Wren, 2; Carolina Wren, 1; Mockingbird, 40; Brown Thrasher, 9; Am. Robin, 2; Hermit Thrush, 3; Eastern Bluebird, 42; Blue-gray Gnatcatcher, 2; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 2; Water Pipit, 15; Loggerhead Shrike, 10; Common Starling, 268; Orange-crowned Warbler, 1; Myrtle Warbler, 17; Pine Warbler, 13; House Sparrow, 32; Eastern Meadowlark, 123; Red-winged Blackbird, 1921; Rusty Blackbird, 6; Purple Grackle, 231; Brown-headed Cowbird, 55; Cardinal, 71; Purple Finch, 2; Am. Goldfinch, 41; Eastern Towhee, 10; Savannah Sparrow, 21; Slate-colored Junco, 14; Field Sparrow, 13; White-throated Sparrow, 46; Fox Sparrow, 1; Song Sparrow, 1. **Total,** 60 species; about 3319 individuals.—Mayer W. Aldridge, Oliver L. Austin, Jr., Timothy Oliver Austin, Julian M. Rice (compiler).

284. Moon Lake, Lula, Miss. (same route as 1950; lake from shoreline drive 15%, levee 10%, narrow timbered bayous 30%, highways, old cotton fields and pastures 25%, weedy fields 5%, wooded bottoms 15%).—Jan. 2; 6:45 a.m. to 4:30 p.m. Fair; temp. 38° to 68°; wind NE to E, 4-10 m.p.h. Seven observers in 2 parties. Total party-hours, 17 (9 on foot, 8 by car); total party-miles, 100 (11 on foot, 89 by car). Horned Grebe, 14; Pied-billed Grebe, 5; Double-crested Cormorant, 1; Great Blue Heron, 2; Mallard, 32; Gadwall, 10; Canvas-back,

130; Lesser Scaup, 120; Ruddy Duck, 4834; **Hooded Merganser,** 434; Am. Merganser, 1; Turkey Vulture, 1; Black Vulture, 10; Red-tailed Hawk, 10; Red-shouldered Hawk, 4; Marsh Hawk, 2; Sparrow Hawk, 12; Bob-white, 1; Am. Coot, 68; Killdeer, 44; Ring-billed Gull, 123; Mourning Dove, 184; Horned Owl, 2; Barred Owl, 2; Yellow-shafted Flicker, 58; Pileated Woodpecker, 1; Red-bellied Woodpecker, 52; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 8; Downy Woodpecker, 28; Eastern Phoebe, 8; Horned Lark, 9; Blue Jay, 79; Am. Crow, 32; Carolina Chickadee, 120; Tufted Titmouse, 27; Brown Creeper, 5; Winter Wren, 25; Bewick's Wren, 3; Carolina Wren, 40; Mockingbird, 40; Brown Thrasher, 3; Am. Robin, 60; Hermit Thrush, 6; Eastern Bluebird, 7; Golden-crowned Kinglet, 23; Ruby-crowned Kinglet, 6; Water Pipit, 13; Cedar Waxwing, 73; Loggerhead Shrike, 41; Common Starling, 78; Myrtle Warbler, 36; House Sparrow, 255; Eastern Meadowlark, 111; **Western Meadowlark,** 1 (B.C.); Red-winged Blackbird, 191; Rusty Blackbird, 8; Purple Grackle, 992; Brown-headed Cowbird, 16; blackbirds (sp.), 1065; Cardinal, 256; Purple Finch, 9; Am. Goldfinch, 114; Eastern Towhee, 3; Savannah Sparrow, 23; **Leconte's Sparrow,** 1 (B.C.); Slate-colored Junco, 103; Field Sparrow, 34; White-crowned Sparrow, 30; White-throated Sparrow, 307; Fox Sparrow, 15; Swamp Sparrow, 4; Song Sparrow, 118. **Total,** 73 species about 10,589 individuals.—Mr. and Mrs. Ben B. Coffey, Jr., George Peyton, Jr., S. Jack Rini, R. Demett Smith, Jr., Harry H. Wilcox, Orval Wood III.

285. Rara Avis, Miss. (Bull Mountain Creek bottom through Rara Avis to Oak Grove Church, Route 23 north, southwest on Poplar Springs Church ridge to Chubby Creek, Gum Creek; deciduous wooded bottoms 35%, mixed hardwoods-pines 25%, fields, pastures, roadsides 40%).—Dec. 25; 6:40 a.m. to 5 p.m. Fair; temp. 26° to 55°; wind SE, max. 10 m.p.h. One observer. Total hours, 10 (7 on foot, 3 by car); total miles, 40 (6 on foot, 34 by car). Turkey Vulture, 2; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 3; Bob-white, 20; Killdeer, 12; Wilson's Snipe, 11; Mourning Dove, 92; Yellow-shafted Flicker, 18; Pileated Woodpecker, 4; Red-bellied Woodpecker, 7; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 6; Eastern Phoebe, 1; Blue Jay, 30; Am. Crow, 44; Carolina Chickadee, 2; Tufted Titmouse, 22; Brown Creeper, 1; Winter Wren, 3; Bewick's Wren, 1; Carolina Wren, 11; Mockingbird, 9; Brown Thrasher, 5; Am. Robin, 33; Hermit Thrush, 15; Eastern Bluebird, 19; Golden-crowned Kinglet, 6; Cedar Waxwing, 44; Loggerhead Shrike, 2; Myrtle Warbler, 39; House Sparrow, 7; Eastern Meadowlark, 162; Red-winged Blackbird, 531; Rusty Blackbird, 11; Purple Grackle, 220; Cardinal, 55; Purple Finch, 15; **Pine Siskin,** 7; Am. Goldfinch, 80; Eastern Towhee, 28; Savannah Sparrow, 1; Slate-colored Junco, 105; Field Sparrow, 120; White-throated Sparrow, 290; Fox Sparrow, 25; Swamp Sparrow, 63; Song Sparrow, 95. **Total,** 49 species; about 2284 individuals.—Ben B. Coffey, Jr.

286. Starkville, Miss. (7½-mile radius centering 7 miles east of town; pasture 25%, plow land 10%, pine woods 10%, oak woods 10%, juniper-osage orange thicket 25%, town and college campus 20%).—Jan. 1; 7 a.m. to 4:30 p.m. Overcast and foggy a.m., clear p.m.; temp. 47° to 60°; wind SE, 8-12 m.p.h.; ground very wet from heavy rain night before. One observer. Total hours, 9½ (8¾ on foot, ¾ by car); total miles, 25 (13 on foot, 12 by car). Pied-billed Grebe, 1; Great Blue Heron, 1; Turkey Vulture, 5; Black Vulture, 3; Red-shouldered Hawk, 3; Sparrow Hawk, 3; Am. Coot, 5; Killdeer, 18; Mourning Dove, 6; Belted Kingfisher, 1; Yellow-shafted Flicker, 16; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 4; Downy Woodpecker, 6; Eastern Phoebe, 1; Blue Jay, 64; Am. Crow, 10; Carolina Chickadee, 4; Brown Creeper, 3; Carolina Wren, 14; Mockingbird, 102; Brown Thrasher, 2; Am. Robin, 98; Hermit Thrush, 1; Eastern Bluebird, 10; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 3; Cedar Waxwing, 168; Loggerhead Shrike, 8; Common Starling, 24; Myrtle Warbler, 22; House Sparrow, 30; Eastern Meadowlark, 50; Red-winged Blackbird, 1; **Brewer's Blackbird,** 42; Cardinal, 82; Purple Finch, 63; Am. Goldfinch, 55; Eastern Towhee, 2; Slate-colored Junco, 70; Field Sparrow, 27; White-crowned Sparrow, 12; White-throated Sparrow, 107; Fox Sparrow, 11; Song Sparrow, 16. **Total,** 46 species; about 1189 individuals.—Lois Almon.

287. Allendale, Mich. (15-mile diameter from Allendale to Grand Haven; swamps 50%, fields 20%, upland woods 5%, wastelands and coniferous plantings 5%, marshes 5%, villages 5%, lakes 5%, rivers and streams 5%).—Dec. 31; 8:15 a.m. to 4:45 p.m. Mostly overcast; temp. 28° to 35°; wind N, 5 m.p.h.; Lake Michigan rough, all streams and lakes frozen except Grand River, 1-in. snow on ground. Two observers in 1 party. Total party-hours, 8½ (4 on foot, 4½ by car); total party-miles, 87 (5½ on foot, 81½ by car). Mallard, 5; Black Duck, 1; scaup (sp.), 5; Am. Golden-eye, 23; unidentified ducks, 20; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Ruffed Grouse, 3; Ring-necked Pheasant, 23; Am. Coot, 29; Herring Gull, 1142; Mourning Dove, 21; Barred Owl, 1; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 1; **Red-headed Woodpecker,** 1; Hairy Woodpecker, 7; Downy Woodpecker, 8; Blue Jay, 14; Am. Crow, 19; Black-capped Chickadee, 32; Tufted Titmouse, 11; White-breasted Nuthatch, 26; Brown Creeper, 5; Winter Wren, 1; Golden-crowned Kinglet, 6; **Water Pipit,** 1; **Gray Shrike,** 1; Common Starling, 35; House Sparrow, 195; Cardinal, 15; Evening Grosbeak, 15; Am. Goldfinch, 20; crossbill (sp.), 1; Slate-colored Junco, 72; Am. Tree Sparrow, 84; Song Sparrow, 6. **Total,** 37 species; about 1855 individuals. (Dec. 22: Great Black-backed Gull) [Screech (?) Owl and Horned (?) Owl also listed for census day—Ed.]—James F. Ponshair, Peter Hovingh, Jr. (compiler).

288. Ann Arbor, Mich. (Huron River vall , and adjoining areas from 4 miles east of town to 9 miles

west of town and 10 miles north; bottomland and river 19%, deciduous woodlots 17%, coniferous plantations 6%, fields and roadsides 52%, around dwellings 6%).—Jan. 1; 7:45 a.m. to 3 p.m. (1 hr. out for lunch). Cloudy, raining in p.m.; temp. 27° to 35°; wind S, 5-10 m.p.h.; 3-in. snow, lakes frozen, river mostly open. Sixteen observers in 4 parties. Total party-hours, 24½ (13½ on foot, 11 by car); total party-miles, 134 (14 on foot, 120 by car). Pied-billed Grebe, 1; Mallard, 9; Black Duck, 99; Am. Golden-eye, 11; Buffle-head, 3; Red-tailed Hawk, 6; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 2; Bob-white, 31; Ring-necked Pheasant, 8; Am. Coot, 4; Herring Gull, 2; Mourning Dove, 7; Belted Kingfisher, 3; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 5; Hairy Woodpecker, 1; Downy Woodpecker, 18; Horned Lark, 6; Blue Jay, 77; Am. Crow, 27; Black-capped Chickadee, 64; Tufted Titmouse, 52; White-breasted Nuthatch, 21; Brown Creeper, 1; Am. Robin, 1; Golden-crowned Kinglet, 1; shrike (sp.), 1; Common Starling, 85; House Sparrow, 480; meadowlark (sp.), 6; Rusty Blackbird, 2; Cardinal, 37; Evening Grosbeak, 15; Purple Finch, 32; Pine Siskin, 6; Am. Goldfinch, 13; Slate-colored Junco, 28; Am. Tree Sparrow, 107; Song Sparrow, 8. **Total,** 42 species; about 1284 individuals.—Ernest Allmendinger, Dorothy Blanchard, Helen Blanchet, Margaret Branch, Ralph Branch, Edwin Burrows, Billy Byers, Esther Byers, Marie Donegan, Wilfred Goodman, Harry Hann (compiler), William Hopkins, William Lawrence, Edith MacLennan, Keith Taylor, John Willoughby (Washtenaw Audubon Club).

289. Battle Creek, Mich. (7½-mile radius from Battle Creek to Gull Lake, Wintergreen Lake and Kellogg Forestry area; parts of Calhoun and Kalamazoo Counties; lake shore 20%, deciduous woodlots 20%, wooded river borders 10%, coniferous woodlots 5%, roadsides 15%, pasture 10%, town suburbs 10%, wooded swamps 10%).—Dec. 26; 6:45 a.m. to 4 p.m. Semi-clear a.m., rain p.m.; temp. 31° to 39°; wind SW, 0-12 m.p.h.; about 2-in. old snow, lakes frozen except Gull Lake. Seven observers in 2 parties. Total party-hours, 15 (6 on foot, 9 by car); total party-miles, 150 (7 on foot, 143 by car). Horned Grebe, 1; Canada Goose, 1071; Mallard, 3115; Black Duck, 1011; Ring-necked Duck, 11; Canvas-back, 169; Am. Golden-eye, 239; Buffle-head, 3; Hooded Merganser, 36; Cooper's Hawk, 2; Red-tailed Hawk, 1; Bob-white, 14; Ring-necked Pheasant, 3; Am. Coot, 51; Herring Gull, 12; Horned Owl, 2; Belted Kingfisher, 2; Red-headed Woodpecker, 7; Hairy Woodpecker, 1; Downy Woodpecker, 6; Blue Jay, 46; Am. Crow, 13; Black-capped Chickadee, 27; Tufted Titmouse, 6; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 1; Brown Creeper, 1; Catbird, 1 (regular at A.B.C. feeder); Golden-crowned Kinglet, 10; Common Starling, 87; House Sparrow, 77; Cardinal, 13; Evening Grosbeak, 5; Purple Finch, 2; Pine Siskin, 5; Am. Goldfinch, 6; Slate-colored Junco, 29; Am. Tree Sparrow, 40; Song Sparrow, 2. **Total,** 39 species; about 6138 individuals.—Lawrence H. Walkinshaw (compiler), Edward M. Brigham, Jr., William A. Dyer, Clifford N. Walters, A. B. Chanel, Mr. and Mrs. Maynard Bowers.

290. Bay City, Mich. (15-mile diameter, mouth of Saginaw River to Zilwaukee to Tri-City Airport; open farmland 45%, town suburbs 10%, deciduous farm woodlots 20%, cattail marsh 20%, sandy lake shoreline 5%).—Jan. 1; 8 a.m. to 5 p.m. Clear to rainy; temp. 22° to 35°; wind S to SE, 1-5 m.p.h.; ground frozen, 4-in. crusted snow, Saginaw Bay open near mouth of Saginaw River. Nineteen observers in 3 parties. Total party-hours, 24 (12 on foot, 12 by car); total party-miles, 210 (10 on foot, 200 by car). Pied-billed Grebe, 7; Mallard, 207; Black Duck, 643; Gadwall, 1; Pintail, 1; Redhead, 2; scaup (sp.), 5; Am. Golden-eye, 76; Buffle-head, 1; Hooded Merganser, 11; Am. Merganser, 226; Red-breasted Merganser, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 2; Rough-legged Hawk, 7; Bald Eagle, 1; Marsh Hawk, 5; Sparrow Hawk, 3; Ring-necked Pheasant, 704; Am. Coot, 21; Herring Gull, 140; Ring-billed Gull, 20; Mourning Dove, 18; Snowy Owl, 2; Downy Woodpecker, 9; Horned Lark, 39; Blue Jay, 43; Am. Crow, 678; Black-capped Chickadee, 21; Tufted Titmouse, 15; White-breasted Nuthatch, 7; Brown Creeper, 1; Gray Shrike, 2; Common Starling, 528; House Sparrow, 1430; Red-winged Blackbird, 1; Rusty Blackbird, 1; Cardinal, 2; Evening Grosbeak, 11; Am. Goldfinch, 13; Slate-colored Junco, 12; Am. Tree Sparrow, 71; Swamp Sparrow, 1; Song Sparrow, 20; Snow Bunting, 151. **Total,** 47 species; about 5167 individuals.—R. H. Cornell, J. Cross, W. C. Cross, N. L. Cuthbert, A. Davis, D. Davis, M. Davis, J. Gustin, I. F. Jorae, E. E. Kenaga (compiler), P. A. Lavoy, J. A. McKinney, F. R. Maxwell, E. Staudacher, B. R. Winchell, G. R. Winchell, A. W. Winston, Jr., L. Wolf, M. A. Wolf.

291. Detroit, Mich. (7½-mile radius centering at Sylvan Lake, perimeter touching Twelve-Mile Road on south, Maybee Road on north, Adams Road on east, Commerce Road on west; pasture 15%, town suburbs 20%, lake areas 8%, deciduous woodlots 35%, coniferous woodlots 8%, plow land 14%).—Jan. 2; 8 a.m. to 4 p.m. Clear; temp. 32° to 44°; wind NW to SW, 6-10 m.p.h.; ground open, patches with ice, no snow; lakes frozen except on bare fringes. Sixty-one observers in 20 parties. Total party-hours, 130 (60 on foot, 70 by car); total party-miles, 721 (168 on foot, 553 by car). Great Blue Heron, 1; Canada Goose, 36; Mallard, 206; Black Duck, 98; Cooper's Hawk, 2; Red-tailed Hawk, 19; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Sparrow Hawk, 15; Ruffed Grouse, 2; Bob-white, 27; Ring-necked Pheasant, 111; Mourning Dove, 22; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Red-headed Woodpecker, 6; Hairy Woodpecker, 8; Downy Woodpecker, 57; Horned Lark, 17; Blue Jay, 306; Am. Crow, 289; Black-capped Chickadee, 489; Tufted Titmouse, 45; White-breasted Nuthatch, 77; Red-breasted Nuthatch, 2;

Brown Creeper, 11; Winter Wren, 1; Brown Thrasher, 1; Am. Robin, 7; Golden-crowned Kinglet, 8; Cedar Waxwing, 53; **Gray Shrike,** 4; Common Starling, 1466; House Sparrow, 3788; Eastern Meadowlark, 9; Cardinal, 82; Evening Grosbeak, 27; Am. Goldfinch, 191; Slate-colored Junco, 170; Am. Tree Sparrow, 343; Swamp Sparrow, 6; Song Sparrow, 6. **Total,** 42 species; about 8014 individuals.—Mr. and Mrs. R. Bachellor, Walter P. Nickell, Harold D. Mahan (compiler), Mary J. Mahan, Betsy Harriman, Phil Ervan, Sandy Strasen, Ken Foster, Keith K. Kreag, John G. Kreag, Glenn M. Kreag, Ken Sanderson, Georgia Sanderson, Dick Sanderson, Homer D. Roberts, James P. Smith, James P. Smith III, Leon J. Moose, E. M. Cutler, F. M. Miller, Ann McMillan, Thomas Teeter, Karen McGotter, Mr. and Mrs. N. Kelley, Mr. and Mrs. R. Merriam, Mr. and Mrs. L. Lenz, Mr. and Mrs. F. K. Ratcliff, Mrs. Perry J. Reynolds, Mrs. T. Drummond, Mrs. G. Hollingsworth, Mrs. Forbes Miller, Bob Graham, G. Laubinger, R. A. O'Reilly, William Krueger, J. McIntosh, Bob Rogers, Mr. and Mrs. B. Diamond, Mr. and Mrs. E. Trobaugh, M. Henkel, Louise Spence, V. Olmsted, Mr. and Mrs. J. McMillan, Kay Petts, John and Marilyn Matle, Dr. and Mrs. C. McLaughlin, Doris Bell, Carol Dunn, Frank Damm, Mr. and Mrs. Damm (Detroit Audubon Society).

292. Imlay City, Mich. (same area as preceding 6 years; farms and open pasture lands 50%, fencerows and brush-covered fields 33%, deciduous woodlots 10%, marshes, ponds and streams 5%, White Cedar swamps 1%, village and suburbs 1%).—Dec. 26; 6 a.m. to 5 p.m. Sunny a.m., cloudy and misty p.m.; temp. 30° to 46°; wind SE, 5-7 m.p.h. Eighteen observers in 6 parties. Total party-hours, 136 (42 on foot, 94 by car); total party-miles, 213 (30 on foot, 183 by car). Red-breasted Merganser, 2; Cooper's Hawk, 3; Red-tailed Hawk, 17; Red-shouldered Hawk, 2; Rough-legged Hawk, 4; Marsh Hawk, 2; Sparrow Hawk, 3; Ruffed Grouse, 9; Bob-white, 6; Ring-necked Pheasant, 114; Mourning Dove, 102; Screech Owl, 5; Horned Owl, 5; Long-eared Owl, 2; Yellow-shafted Flicker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 29; Blue Jay, 53; Am. Crow, 462; Black-capped Chickadee, 153; Tufted Titmouse, 9; White-breasted Nuthatch, 40; Brown Creeper, 8; Winter Wren, 3; Mockingbird, 1; Brown Thrasher, 1; Am. Robin, 3; Hermit Thrush, 2; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 1 [no details—Ed.]; Cedar Waxwing, 83; Gray Shrike, 7; Common Starling, 970; House Sparrow, 1994; Cardinal, 108; Evening Grosbeak, 14; Purple Finch, 3; Pine Grosbeak, 6; Am. Goldfinch, 241; White-winged Crossbill, 7; Slate-colored Junco, 64; Am. Tree Sparrow, 212; Field Sparrow, 1; White-throated Sparrow, 2; Swamp Sparrow, 2; Song Sparrow, 13; Snow Bunting, 2. **Total,** 47 species; about 4790 individuals.—Olive Betcher, Bette Johnston, Martha A. Lengemann (compiler), Velma Linekar, Douglas Middleton, Alice Miller, Barbara Meyers, Bill Meyers, Leon Moore, Emma Porter, Bob Rogers, Beulah Schoonover, Jim Smith, Jim Smith, Jr., Marian Zimmerman, Pearl Zimmerman, Dale Zimmerman, L. M. Zimmerman.

293. Kalamazoo, Mich. (area same as last 6 years; roadside 30%, open farmland 30%, deciduous woods 20%, shrubby marsh 15%, running water 5%).—Dec. 26; 8:15 a.m. to 4:45 p.m. Cloudy to fair; temp. 40° to 46°; wind SSW, 5-7 m.p.h.; patches of old snow and soft open ground; running water and portions of larger lakes unfrozen. Seventeen observers in 6 parties. Total party-hours, 26 (17 on foot, 9 by car); total party-miles, 188 (28 on foot, 160 by car). Great Blue Heron, 1; Mallard, 26; Am. Golden-eye, 7; Cooper's Hawk, 1; Red-tailed Hawk, 6; Marsh Hawk, 2; Bob-white, 10; Ring-necked Pheasant, 13; Herring Gull, 3; Ring-billed Gull, 1; Mourning Dove, 67; Belted Kingfisher, 5; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 16; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 37; Blue Jay, 137; Am. Crow, 356; Black-capped Chickadee, 64; Tufted Titmouse, 54; White-breasted Nuthatch, 25; Red-breasted Nuthatch, 6; Brown Creeper, 6; Am. Robin, 2; Golden-crowned Kinglet, 5; Cedar Waxwing, 12; **Gray Shrike,** 1; Common Starling, 560; House Sparrow, 430; Cardinal, 59; Evening Grosbeak, 4; Purple Finch, 22; Pine Siskin, 7; Am. Goldfinch, 15; Slate-colored Junco, 84; Am. Tree Sparrow, 108; Song Sparrow, 11. **Total,** 39 species; about 2177 individuals.—H. Lewis Batts, Jr., Helen Burrell, C. B. Cook, Letha Culver, Charles Dann, W. A. Freyburger, Lindsey Goss, Gladys A. Hall (compiler), Fred McLinden, Marvin Mertz, Esca Rogers, Mr. and Mrs. John S. Skillman, Mike Smith, Jack Spink, Mr. and Mrs. Harold Wiles (Audubon Society of Kalamazoo).

294. Marquette, Mich. (7-mile radius centering on Front and Washington Sts., including Presque Isle, Lake Shore Blvd., Hiawatha Shores, fish hatchery, Weiland's farm; Lake Superior and harbors shore 30%, urban 10%, marsh 10%, mixed forest 25%, open farmlands and golf club edge 25%).—Jan. 2; 9 a.m. to 5 p.m. Partly cloudy to cloudy; temp. 18° to 28°; wind N to NW, 5-10 m.p.h.; ground mostly covered with 3-in. crusted snow, harbors open, small streams and marshes frozen. Four observers in 2 parties. Total party-hours, 16 (4 on foot, 12 by car); total party-miles, 130 (6 on foot, 124 by car). Am. Golden-eye, 43; Buffle-head, 1; **White-winged Scoter,** 1; **Surf Scoter,** 1; Am. Merganser, 6; Herring Gull, 200; Hairy Woodpecker, 1; Downy Woodpecker, 3; Blue Jay, 8; Common Raven, 2; Black-capped Chickadee, 23; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 2; Gray Shrike, 2; Common Starling, 35; House Sparrow, 21; Evening Grosbeak, 18; Pine Grosbeak, 4; Snow Bunting, 10. **Total,** 19 species; about 383 individuals. (Seen Jan. 1: Bald Eagle.)—Mrs. Mary Spear Ross (compiler), Rollin K. Thoren, Rollin K. Thoren, Jr., Edwin C. Weiland.

295. Midland, Mich. (7½-mile radius centering in section 32, Midland Township, including Tittabawassee, Chippewa and Pine Rivers; pasture 10%, plow land 20%, town suburbs 10%, deciduous woodlands 50%, coniferous groves 10%).—Jan. 2; 8:15 a.m. to 5:30 p.m. Clear; temp. 28° to 35°; wind W, 5-15

m.p.h.; 4-in. crusted snow, rivers partly frozen. Eight observers in 4 parties. Total party-hours, 14 (6 on foot, 8 by car); total party-miles, 76 (6 on foot, 70 by car). Mallard, 5; Black Duck, 25; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Bob-white, 10; Ring-necked Pheasant, 68; Mourning Dove, 5; Horned Owl, 2; Hairy Woodpecker, 3; Downy Woodpecker, 10; Blue Jay, 27; Am. Crow, 26; Black-capped Chickadee, 85; Brown-capped Chickadee, 1; Tufted Titmouse, 2; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 1; Carolina Wren, 1; Am. Robin, 1; Golden-crowned Kinglet, 1; Cedar Waxwing, 1; Gray Shrike, 3; Common Starling, 461; House Sparrow, 393; Cardinal, 49; Evening Grosbeak, 4; Am. Goldfinch, 17; Slate-colored Junco, 33; Am. Tree Sparrow, 29. **Total,** 30 species; about 1274 individuals. (Seen in area Dec. 26-30: Pine Grosbeak, 6.)—E. E Kenaga (compiler), H. F. Kohls, E. Starks, B. R. Winchell, G. R. Winchell, R. Winchell, D. Wolf, M. A. Wolf.

296. Mount Clemens, Mich. (same area covered since 1951; open farmland 30%, roadside borders 22%, second-growth deciduous woodland 15%, cattail marsh 7%, farm buildings 3%, towns and suburbs 4%, open water 19%).—Jan. 2; 8 a.m. to 4:30 p.m. Clear; temp. 35° to 45°; wind S to W, 5-15 m.p.h. ground bare, open water prevalent in most areas. Twenty-nine observers in 6 parties. Total party-hours, 45 (12 on foot, 33 by car); total party-miles, 303 (13 on foot, 290 by car). Whistling Swan, 14; Black Duck, 6; Redhead, 155; Canvas-back, 3287; scaup (sp.), 253; Am. Golden-eye, 14; Buffle-head, 8; Old-squaw, 1; Hooded Merganser, 3; Am. Merganser, 34; Cooper's Hawk, 2; Red-tailed Hawk, 6; Red-shouldered Hawk, 5; Rough-legged Hawk, 6; Marsh Hawk, 21; Sparrow Hawk, 13; Bob-white, 24; Ring-necked Pheasant, 20; Herring Gull, 24; Ring-billed Gull, 323; Mourning Dove, 5; Snowy Owl, 2; Downy Woodpecker, 5; Horned Lark, 13; Blue Jay, 87; Am. Crow, 188; Black-capped Chickadee, 81; Tufted Titmouse, 14; White-breasted Nuthatch, 9; Brown Creeper, 4; Golden-crowned Kinglet, 2; Cedar Waxwing, 12; Gray Shrike, 5; Common Starling, 566; House Sparrow, 814; Red-winged Blackbird, 5000; Cardinal, 52; Am. Goldfinch, 155; Slate-colored Junco, 82; Am. Tree Sparrow, 363; Swamp Sparrow, 1; Song Sparrow, 27. **Total,** 42 species; about 11,706 individuals.—S. Braun, W. Braun, B. Daubendiek, D. DeBusschere, D. Fenton, H. Fournier, W. Fournier, J. Hart, N. Hayadachmer, F. Hogan, I. Jasper, B. Johnston, David Johnston, Donald Johnston, J. Kammer, C. Kierblewski, J. Knox, D. Middleton, H. Mundt, M. Murphy, R. Murphy, H. Parkinson, J. Racine, B. Rivard, P. Schonschack, J. Shaw, J. Soule, J. Thompson, M. Wietersen (Metropolitan Beach Sanctuary Association).

297. Mt. Pleasant, Mich. (same area as 1953 plus Weidman Millpond; town suburbs 5%, upland deciduous forest 5%, upland coniferous forest 3%, bottomland deciduous forest 30%, bottomland coniferous forest 6%, plowed field 20%, pasture 20%, lakes and millponds 10%, cattail marsh 1%).—Dec. 30, 8 a.m. to 5 p.m. Slight overcast; temp. 23° to 28°; wind NW, 0-3 m.p.h.; 10-in. old snow, lakes frozen. Eight observers in 2 parties. Total party-hours, 16 (8 on foot, 8 by car); total party-miles, 92 (8 on foot, 84 by car). Mallard, 81; Black Duck, 11; Canvas-back, 1; Am. Golden-eye, 5; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 2; Ring-necked Pheasant, 6; Am. Coot, 1; Mourning Dove, 4; Hairy Woodpecker, 3; Downy Woodpecker, 20; Blue Jay, 22; Am. Crow, 12; Black-capped Chickadee, 40; Tufted Titmouse, 6; White-breasted Nuthatch, 10; Brown Creeper, 4; Common Starling, 370; House Sparrow, 728; Cardinal, 13; Evening Grosbeak, 24; Am. Goldfinch, 62; Slate-colored Junco, 19; Am. Tree Sparrow, 89; Song Sparrow, 5; Snow Bunting, 1. **Total,** 29 species; about 1543 individuals.—Richard Cornell, Robert Cornell, Mabel Cuthbert, Nicholas Cuthbert (compiler), Donald J. Davis, Irene Jorae, Florence Maxwell, William Southern (Chippewa Valley Bird Club).

298. Muskegon, Mich. (7-mile radius centering on County Court House, including Muskegon Dunes State Park, Muskegon River marshes, shore of Muskegon Lake to Pere Marquette Park, Lake Michigan and channel; lake shore and wooded duneland 50%, business and residential 25%, suburban and rural 15%, marshland 5%, industrial 5%).—Jan. 2; 9 a.m. to 6 p.m. Clear; temp. 34° to 28°; wind WNW, 15 m.p.h.; ground bare, fresh-water lakes and streams open. Thirteen observers in 3 parties. Total party-hours, 27 (20 on foot, 7 by car); total party-miles, 90 (15 on foot, 75 by car). Mallard, 4; Black Duck, 547; Canvas-back, 180; scaup (sp.), 202; Am. Golden-eye, 2629; Buffle-head, 15; Old-squaw, 3; Am. Merganser, 29; Cooper's Hawk, 1; Ruffed Grouse, 2; Ring-necked Pheasant, 5; Purple Sandpiper, 1 [no details—Ed.]; Herring Gull, 390; Snowy Owl, 2; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 6; Horned Lark, 3; Blue Jay, 48; Am. Crow, 33; Black-capped Chickadee, 46; Tufted Titmouse, 19; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 5; Am. Robin, 2; Golden-crowned Kinglet, 10; Cedar Waxwing, 34; Gray Shrike, 5; Common Starling, 72; House Sparrow, 210; Purple Grackle, 1; Cardinal, 17; Evening Grosbeak, 103; Purple Finch, 6; Common Redpoll, 7; Am. Goldfinch, 20; White-winged Crossbill, 1; Slate-colored Junco, 30; Am. Tree Sparrow, 21; Song Sparrow, 2; Snow Bunting, 26. **Total,** 42 species; about 4754 individuals.—Almeda Boulton, George Wickstrom, Roger Martz, Gilbert Tweist, Floyd Kuehnl, Jerry Smith, Mary Elizabeth Whelan, Mr. and Mrs. C. A. O'Connor, Mrs. Paul S. Moon, Mr. and Mrs. Rolland Barrett, Margaret Drake Elliott (compiler).

299. Northville, Mich. (7½-mile radius centering on 12 Mile Road and Hass Road, including parts of Kensington Park and Proud Lake Recreation Area; deciduous woods 30%, conifer grove 10%, open fields 20%, marsh 15%, village suburbs 10%, plowed land

10%, pasture 5%.)—Jan. 2; 8 a.m. to 5 p.m. Clear; temp. 34° to 40°; wind 7-20 m.p.h.; scattered patches of snow and ice, lakes frozen, streams open. Seventeen observers in 3 parties. Total party-hours, 25 (13½ on foot, 11½ by car); total party-miles, 108 (20 on foot, 88 by car). Canada Goose, 600; Mallard, 124; Black Duck, 500; scaup (sp.), 1; Am. Golden-eye, 25; Red-tailed Hawk, 3; Sparrow Hawk, 4; Bob-white, 10; Ring-necked Pheasant, 21; Mourning Dove, 5; Horned Owl, 1; Red-headed Woodpecker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 7; Blue Jay, 51; Am. Crow, 94; Black-capped Chickadee, 64; Tufted Titmouse, 12; White-breasted Nuthatch, 19; Brown Creeper, 1; Winter Wren, 1; Golden-crowned Kinglet, 5; Gray Shrike, 1; Common Starling, 32; House Sparrow, 294; Eastern Meadowlark, 3; Cardinal, 17; Am. Goldfinch, 9; Slate-colored Junco, 44; Am. Tree Sparrow, 42. **Total,** 30 species; about 1999 individuals (unidentified: 2 buteos and 1 shrike.)—Racina Bailey, Frank Bosak, C. Damm, Betsy Eichstedt, Cy Frid, Dorothy Frid, Kent Frid, Harold D. Hartley, Catherine Hartley, Harold S. Hartley (compiler), Thomas Heatley, William Hopkins, Skip Klocke, Gary Klocke, Frank Muller, Richard Root, David Ryder.

300. Owosso, Mich. (same area as in 1951).—Dec. 29; 7 a.m. to 4 p.m. Cloudy, sleeting by 3 p.m.; temp. 22° to 26°; wind NE, 5-15 m.p.h., 1-3-in. crusted snow, streams mostly open. One observer. Total hours, 9 (7 on foot, 2 by car); total miles, 46 (8 on foot, 38 by car). Red-tailed Hawk, 1; Marsh Hawk, 1; Ring-necked Pheasant, 10; Mourning Dove, 1; Hairy Woodpecker, 1; Downy Woodpecker, 2; Blue Jay, 7; Am. Crow, 16; Black-capped Chickadee, 15; Tufted Titmouse, 8; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 2; Brown Creeper, 1; Golden-crowned Kinglet, 2; Common Starling, 12; House Sparrow, 240; Cardinal, 21; Am. Goldfinch, 5; Eastern Towhee, 1; Slate-colored Junco, 58; Am. Tree Sparrow, 5; Snow Bunting, 200. **Total,** 22 species; about 617 individuals.—Bruce V. Wilson.

301. Bloomington, Ind. (same area as 1953; upland deciduous forest 11%, coniferous forest 14%, bottomland deciduous forest 17%, bottomland grassy and crop field 10%, upland grassy and crop field 6%, bottomland brushy field 17%, lake shore 15%, urban wooded campus 10%).—Dec. 30, 5:30 a.m. to 5:30 p.m. Overcast; temp. 32° to 34°; wind W to SW, 0-14 m.p.h.; ground muddy, all water open. Eight observers in 2 parties, separating into groups of 2 or 3 for short periods. Total party-hours, 35 (20 on foot, 15 by car); total party-miles, 172 (27 on foot, 145 by car). Pied-billed Grebe, 1; Mallard, 5970; Black Duck, 1416; Gadwall, 9; Am. Golden-eye, 3; Buffle-head, 1; Ruddy Duck, 1; Hooded Merganser, 1; Am. Merganser, 5; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 12; Red-shouldered Hawk, 1; Bald Eagle, 2; Marsh Hawk, 2; Sparrow Hawk, 1; Bob-white, 1; Killdeer, 14; Wilson's Snipe, 4; Herring Gull, 1; Ring-billed Gull, 5; Mourning Dove, 135; Barred Owl, 2; Belted Kingfisher, 7; Yellow-shafted Flicker, 17; Pileated Woodpecker, 10; Red-bellied Woodpecker, 32; Red-headed Woodpecker, 35; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 47; Horned Lark, 1; Blue Jay, 111; Am. Crow, 89; Carolina Chickadee, 72; Tufted Titmouse, 55; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 4; Brown Creeper, 3; Carolina Wren, 28; Mockingbird, 6; Am. Robin, 12; Eastern Bluebird, 41; Golden-crowned Kinglet, 10; Common Starling, 102; House Sparrow, 129; Eastern Meadowlark, 83; Red-winged Blackbird, 30; Purple Grackle, 3; Cardinal, 152; Purple Finch, 7; Am. Goldfinch, 267; Eastern Towhee, 33; Slate-colored Junco, 610; Am. Tree Sparrow, 427; Chipping Sparrow, 1; Field Sparrow, 6; White-throated Sparrow, 6; Swamp Sparrow, 9; Song Sparrow, 43. **Total,** 60 species; about 10,092 individuals. (Seen in area during census period: Ruffed Grouse, Am. Coot, Horned Owl, Hermit Thrush.)—John Andrews, Donald Auster, Duane Carmony, Sears Crowell, Pierre Ferverda, David G. Frey, Val Nolan, Jr. (compiler), Jon Rickert.

302. Brownstown, Ind. (same area as 1953).—Dec. 27; 6:50 a.m. to 5 p.m. Overcast; temp. 45° to 55°; wind SW, 2 m.p.h.; ground bare, ice around edges of lakes, shower a.m., steady rain after 1 p.m. One observer. Total hours, 10 (7 on foot, 3 by car); total miles, 46 (6 on foot, 40 by car). Pied-billed Grebe, 1; Mallard, 1800; Black Duck, 200; Gadwall, 1; Am. Widgeon, 3; Pintail, 7; Redhead, 5; Ring-necked Duck, 13; Canvas-back, 6; Hooded Merganser, 3; Cooper's Hawk, 1; Red-tailed Hawk, 2; Marsh Hawk, 5; Sparrow Hawk, 5; Am. Coot, 42; Killdeer, 1; Wilson's Snipe, 2; Mourning Dove, 47; Barred Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 11; Pileated Woodpecker, 2; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 10; Hairy Woodpecker, 2; Downy Woodpecker, 14; Horned Lark, 12; Blue Jay, 17; Am. Crow, 8; Carolina Chickadee, 20; Tufted Titmouse, 27; White-breasted Nuthatch, 9; Brown Creeper, 1; Carolina Wren, 8; Am. Robin, 1; Eastern Bluebird, 10; Golden-crowned Kinglet, 4; Common Starling, 56; House Sparrow, 23; Eastern Meadowlark, 15; Red-winged Blackbird, 1; Cardinal, 48; Purple Finch, 2; Am. Goldfinch, 48; Eastern Towhee, 7; Slate-colored Junco, 21; Am. Tree Sparrow, 43; Swamp Sparrow, 21; Song Sparrow, 79; Lapland Longspur, 6. **Total,** 51 species; about 2685 individuals.—Russell E. Mumford.

303. Hanover, Ind. (7½-mile radius centering on intersection of highways 56 and 203; pasture 20%, plow land 15%, towns 10%, second-growth or culled deciduous woodlots 40%, climax beech-maple-tulip forest 15%).—Dec. 30; 8 a.m. to 3 p.m. Cloudy; temp. 35° to 38°; wind W, 5-10 m.p.h.; no snow or ice. Two observers in 1 party. Total party-hours, 7 (2½ on foot, 4½ by car); total party-miles, 85 (5 on foot, 80 by car). Mallard, 20; Black Duck, 3; Am. Golden-eye, 3; Turkey Vulture, 3; Red-shouldered Hawk, 3; Sparrow Hawk, 3; Bob-white, 5; Ring-billed Gull, 3; Mourning Dove, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 5; Red-bellied

Woodpecker, 2; Red-headed Woodpecker, 12; Hairy Woodpecker, 3; Downy Woodpecker, 6; Blue Jay, 16; Carolina Chickadee, 6; Tufted Titmouse, 8; Red-breasted Nuthatch, 1; Carolina Wren, 1; Am. Robin, 5; Eastern Bluebird, 50; Water Pipit, 5; Common Starling, 100; Myrtle Warbler, 1; House Sparrow, 200; Eastern Meadowlark, 15; Brown-headed Cowbird, 2; blackbird (sp.), 15; Cardinal, 26; Purple Finch, 6; Am. Goldfinch, 15; Eastern Towhee, 3; Slate-colored Junco, 60; Am. Tree Sparrow, 20; White-crowned Sparrow, 2; White-throated Sparrow, 1; Song Sparrow, 15. **Total,** 37 species; about 647 individuals. (Seen in area Dec. 29: Cedar Waxwing, 15; Dec. 31: Mockingbird, Loggerhead Shrike.)—C. R. Kinney, J. D. Webster (compiler).

304. Hovey Lake State Game Preserve (Posey Co.), Ind. (same as last year).—Jan. 1; 5 a.m. to 5 p.m. Light rain a.m., cloudy p.m.; temp. 35° to 45°; wind SW, 10-12-3 m.p.h.; ground bare, ponds, streams and rivers open. Nine observers in 3 parties. Total party-hours, 20 (12 on foot, 6 by car, 2 in boat); total party-miles, 64 (16 on foot, 45 by car, 3 in boat). Great Blue Heron, 3; Canada Goose, 3000; Mallard, 250,000; Black Duck, 5000; Am. Widgeon, 12; Pintail, 200; Green-winged Teal, 2; Wood Duck, 1; Ring-necked Duck, 3; Canvas-back, 200; Lesser Scaup, 3; Am. Golden-eye, 100; Bufflehead, 1; Hooded Merganser, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 3; Bob-white, 10; Killdeer, 2; Wilson's Snipe, 2; Mourning Dove, 61; Barred Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 37; Pileated Woodpecker, 2; Red-bellied Woodpecker, 25; Red-headed Woodpecker, 16; Hairy Woodpecker, 5; Downy Woodpecker, 37; Horned Lark, 58; Blue Jay, 26; Am. Crow, 465; Carolina Chickadee, 32; Tufted Titmouse, 45; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 1; Brown Creeper, 4; Winter Wren, 2; Carolina Wren, 29; Mockingbird, 1; Am. Robin, 45; Hermit Thrush, 3; Eastern Bluebird, 14; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 1; Water Pipit, 4; Cedar Waxwing, 8; Loggerhead Shrike, 1; Common Starling, 299; Myrtle Warbler, 9; House Sparrow, 292; Eastern Meadowlark, 94; Red-winged Blackbird, 2; Purple Grackle, 4; Cardinal, 80; Am. Goldfinch, 38; Eastern Towhee, 15; Savannah Sparrow, 4; Leconte's Sparrow, 4 (3 collected); Slate-colored Junco, 28; Am. Tree Sparrow, 128; Field Sparrow, 12; White-crowned Sparrow, 3; White-throated Sparrow, 8; Fox Sparrow, 1; Swamp Sparrow, 25; Song Sparrow, 38; Lapland Longspur, 62. **Total,** 71 species; about 260,649 individuals. (Seen in area Dec. 31: Black Vulture, 1; Cooper's Hawk, 1; Bald Eagle, 2; Am. Coot, 1; Ring-billed Gull, 10.)—Mr. and Mrs. J. Bunnell, M. Carrigan, J. B. Cope (compiler), C. Gifford, R. E. Mumford, J. Webster, J. D. Webster, N. Wilson.

305. Indanapolis, Ind. (2 miles southwest to Sewage Disposal Plant, 4 miles northwest to Eagle Crest Nursery, Lake Sullivan, Holliday Park, Butler University, 13 miles northeast to Geist Reservoir, Bacon's Swamp, Josedale, 3 miles east to Irvington; urban 7%, town suburbs 18%, city parks 8%, open farmland 20%, commercial nursery 14%, lake area 14%, river area 13%, woods 6%).—Dec. 31; 6:30 a.m. to 4:30 p.m. Cloudy early a.m., fair remainder of day; temp. 29° to 44°; wind S, 4-8 m.p.h.; river and reservoir 5% frozen. Fourteen observers in 6 parties. Total party-hours, 38 (26 on foot, 12 by car); total party-miles, 217 (46 on foot, 171 by car). Great Blue Heron, 3; Black-crowned Night Heron, 27; Mallard, 5029; Black Duck, 3000; Green-winged Teal, 2; Ring-necked Duck, 2; Lesser Scaup, 6; Am. Golden-eye, 29; Am. Merganser, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 10; Bob-white, 1; Killdeer, 4; Ring-billed Gull, 12; Mourning Dove, 24; Barred Owl, 3; Belted Kingfisher, 12; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 51; Horned Lark, 7; Blue Jay, 33; Am. Crow, 97; **Black-capped Chickadee,** 1 (C.B.); Carolina Chickadee, 72; Tufted Titmouse, 53; White-breasted Nuthatch, 21; Brown Creeper, 17; Winter Wren, 1; Carolina Wren, 13; Mockingbird, 3; Am. Robin, 2; Eastern Bluebird, 2; Golden-crowned Kinglet, 10; Common Starling, 15,526; House Sparrow, 562; Eastern Meadowlark, 18; Red-winged Blackbird, 2; Purple Grackle, 11; Cardinal, 129; Purple Finch, 7; Pine Siskin, 1; Am. Goldfinch, 85; Eastern Towhee, 1; Slate-colored Junco, 381; Am. Tree Sparrow, 113; Field Sparrow, 1; Song Sparrow, 110. **Total,** 51 species; about 25,509 individuals. (Seen in area Jan. 1: Canada Goose, 31; Gadwall, 2; Am. Widgeon, 2; Cooper's Hawk, 1; Jan. 2: Am. Coot, 3; Herring Gull, Screech Owl, Yellow-bellied Sapsucker.)—Charles S. Berriman, Shelia Brantlinger, Mildred F. Campbell, Mrs. Helen and Marian Goldthwaite, Robert Gregory, Eva Grepke, Margaret Loving, Charles F. Marks, Mary Riddle, John M. Satter, Henry C. West (compiler), Dorothy White, Howard F. Wright (Amos W. Butler Audubon Society).

306. Jasper-Pulaski State Game Preserve, Medaryville, Ind. (same as 1953).—Dec. 28; 7:45 a.m. to 5:15 p.m. Intermittent rain and snow; temp. 38° to 32°; wind N, 15-20 m.p.h.; springs, ditches open, large marshes partly frozen, ground bare. Six observers in 1 party. Total party-hours, 9½ (7 on foot, 2½ by car); total party-miles, 42 (12 on foot, 30 by car). Canada Goose, 153; Mallard, 20; Black Duck, 45; Green-winged Teal, 1; Lesser Scaup, 1; Am. Golden-eye, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Bald Eagle, 1; Marsh Hawk, 3; Bob-white, 43; Ring-necked Pheasant, 3; Mourning Dove, 4; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 13; Blue Jay, 45; Am. Crow, 360; Black-capped Chickadee, 50; Tufted Titmouse, 7; White-breasted Nuthatch, 12; Brown Creeper, 3; Am. Robin, 3; Eastern Bluebird, 1; Golden-crowned Kinglet, 18; Gray Shrike, 1; Common Starling, 200; House Sparrow, 100; Red-winged Blackbird, 4; Rusty Blackbird, 18; Cardinal, 59; Purple Finch, 6; Am. Goldfinch, 4; Slate-colored Junco, 607; Am. Tree Sparrow, 899; White-throated

Sparrow, 1; Swamp Sparrow, 6; Song Sparrow, 13. **Total,** 40 species; about 2713 individuals.—Ted Chandik, Paul Davis, Nora Grow, Raymond Grow (compiler), Jean Segal, Simon Segal.

307. Lafayette, Ind. (7½-mile radius centering at top of Route 52 by-pass hill, including Wabash River, Wea, Wildcat, Indian and Burnett's Creeks, Hadley's Lake; river bottom 12%, creek bottom 35%, deciduous woods 22%, low woods and brush 17%, fields 11%, evergreen woods 1%, marsh 2%).—Dec. 30; 7 a.m. to 5 p.m. Cloudy; temp. 31° to 37°; wind WSW, 11-15 m.p.h.; ground bare, streams open and high, ponds largely frozen. Twenty-four observers in 11 parties. Total party-hours, 69 (68½ on foot, ½ by car); total party-miles, 89 (74 on foot, 15 by car). Great Blue Heron, 2; Mallard, 18; Black Duck, 5; Green-winged Teal, 1; Canvas-back, 2; Am. Golden-eye, 27; Hooded Merganser, 1; Am. Merganser, 3; Cooper's Hawk, 3; Red-tailed Hawk, 6; Rough-legged Hawk, 2; Marsh Hawk, 8; Sparrow Hawk, 8; Bob-white, 57; Ring-necked Pheasant, 6; Am. Coot, 1; Killdeer, 5; Wilson's Snipe, 4; Herring Gull, 1; Mourning Dove, 439; Horned Owl, 5; Barred Owl, 3; Long-eared Owl, 5; Belted Kingfisher, 22; Yellow-shafted Flicker, 11; Red-bellied Woodpecker, 41; Red-headed Woodpecker, 9; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 12; Downy Woodpecker, 195; Horned Lark, 43; Blue Jay, 125; Am. Crow, 470; Black-capped Chickadee, 104; Tufted Titmouse, 206; White-breasted Nuthatch, 52; Red-breasted Nuthatch, 4; Brown Creeper, 33; Winter Wren, 4; Carolina Wren, 26; Am. Robin, 6; Eastern Bluebird, 2; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 5; Cedar Waxwing, 4; shrike (sp.), 1; Common Starling, 1300; House Sparrow, 1220; Red-winged Blackbird, 12; Purple Grackle, 110; Brown-headed Cowbird, 6; Cardinal, 170; Purple Finch, 27; Am. Goldfinch, 146; **Vesper Sparrow,** 7; **Lark Sparrow,** 2 (all field marks—A.K.B.); Slate-colored Junco, 376; Am. Tree Sparrow, 675; Field Sparrow, 4; Fox Sparrow, 2; Swamp Sparrow, 20; Song Sparrow, 145. **Total,** 62 species; about 6220 individuals.—Charles Ash, William J. Barmore, Jr., Mr. and Mrs. Arthur K. Branham, Irving Burr (compiler), Peter and J. Terry Burr, Leland Chandler, Mrs. S. Cromer, Mr. and Mrs. Karleton W. Crain, W. Marvin Davis, Marvin DeJonge, Harold Dick, George A. Gries, Mr. and Mrs. A. G. Guy, Charles Kirkpatrick, Howard and Ted Michaud, Walter Nicewander, Glen D. Redman, Mr. and Mrs. A. H. Smith.

308. Mary Gray Bird Sanctuary, Connersville, Ind. (251 acres; deciduous woodland 50%, old fields planted in pine 25%, cultivated 25%).—Jan. 2; 8:30 a.m. to 4:30 p.m. Partly cloudy to clear; temp. 38° to 50°; wind SW, 0-5 m.p.h.; no snow, open water. Six observers in 1 party. Total party-hours, 7 (all on foot); total party-miles, 5. **Saw-whet Owl,** 2; Yellow-shafted Flicker, 11; Red-bellied Woodpecker, 19; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 16; Blue Jay, 18; Am. Crow, 28; Carolina Chickadee, 13; Tufted Titmouse, 26; White-breasted Nuthatch, 19; Red-breasted Nuthatch, 4; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 4; Mockingbird, 1; Am. Robin, 2; Eastern Bluebird, 2; Golden-crowned Kinglet, 1; House Sparrow, 25; Cardinal, 23; Am. Goldfinch, 5; Slate-colored Junco, 45; Am. Tree Sparrow, 39; Song Sparrow, 8. **Total,** 25 species; 318 individuals. (In area Dec. 31 and Jan. 3: Eastern Towhee, 3.)—Joanna Baker, Edna Banta (compiler), Fred Miller, Helen Miller, Paulmer Keller, Helen Keller.

309. Michigan City, Ind. (same as 1953).—Dec. 26; 6 a.m. to 6 p.m. Cloudy, rain after 2 p.m.; temp. 42° to 50°; wind S to SW, 15-20 m.p.h.; ground bare, ditches, rivers, Lake Michigan open, some ponds and marshes frozen. Ten observers in 3 parties. Total party-hours, 22 (10 on foot, 12 by car); total party-miles, 157 (22 on foot, 135 by car). Horned Grebe, 15; Double-crested Cormorant, 1; Mallard, 27; Black Duck, 65; Am. Widgeon, 2; Pintail, 1; Canvas-back, 1; **Greater Scaup,** 1 (L.C.B.); Lesser Scaup, 200; Am. Golden-eye, 475; Buffle-head, 375; Old-squaw, 3000; White-winged Scoter, 6; Ruddy Duck, 1; Hooded Merganser, 4; Am. Merganser, 410; Red-breasted Merganser, 17; Cooper's Hawk, 1; Red-tailed Hawk, 3; Marsh Hawk, 2; Sparrow Hawk, 6; Bob-white, 21; Ring-necked Pheasant, 8; Am. Coot, 2; Wilson's Snipe, 2; **Iceland Gull,** 1 (seen by all observers); Herring Gull, 780; Ring-billed Gull, 265; Bonaparte's Gull, 650; **Little Gull,** 2 (carefully identified at 15 ft. by all observers); Mourning Dove, 24; Belted Kingfisher, 3; Red-headed Woodpecker, 65; Hairy Woodpecker, 2; Downy Woodpecker, 34; Blue Jay, 227; Am. Crow, 85; Black-capped Chickadee, 51; Tufted Titmouse, 21; White-breasted Nuthatch, 16; Winter Wren, 2; Carolina Wren, 2; Common Starling, 600; House Sparrow, 300; Red-winged Blackbird, 836; Rusty Blackbird, 1; Purple Grackle, 2; Cardinal, 48; Evening Grosbeak, 108; Purple Finch, 49; Am. Goldfinch, 16; **Red Crossbill,** 6; Eastern Towhee, 6; Slate-colored Junco, 95; Am. Tree Sparrow, 233; Swamp Sparrow, 4; Song Sparrow, 10; Lapland Longspur, 5; Snow Bunting, 37. **Total,** 59 species; about 9232 individuals. (Seen in area Dec. 25: Bald Eagle.) [Excellent detaials submitted for all unusual birds—Ed.]—Ormsby Annan, Laurence C. Binford, Ted Chandik, Nora Grow, Raymond Grow (compiler), Joseph Kovacs, Dick Macomber, Virginia Reuter-skiold, Jean Segal, Simon Segal.

310. New Castle, Ind. (7½-mile radius centering around Indiana and 11th Streets; pine grove 5%, pasture 25%, deciduous woods 30%, open fields 25%, lake 10%, city 5%).—Dec. 27; 8:30 a.m. to 3:10 p.m. Rain; temp, 31° to 43°; wind WNW, 8-10 m.p.h. Sixteen observers in 5 parties. Total party-hours, 20 (4½ on foot, 15½ by car); total party-miles, 81 (14 on foot, 67 by car). Mallard, 312; Black Duck, 11; Pintail, 1; Green-winged Teal, 1; ducks (sp.), 200; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 4; Am. Coot, 1; Mourning Dove, 9; Long-eared Owl, 5; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 3; Hairy Woodpecker, 5; Downy Woodpecker, 37;

Horned Lark, 14; Blue Jay, 16; Am. Crow, 783; Carolina Chickadee, 38; Tufted Titmouse, 49; White-breasted Nuthatch, 28; Brown Creeper, 19; Carolina Wren, 1; Am. Robin, 3; Ruby-crowned Kinglet, 2; Common Starling, 187; House Sparrow, 347; Eastern Meadowlark, 27; Cardinal, 23; Am. Goldfinch, 5; Eastern Towhee, 1; Vesper Sparrow, 8; Slate-colored Junco, 24; Am. Tree Sparrow, 57; Field Sparrow, 2; Song Sparrow, 23. **Total,** 36 species; about 2253 individuals.—Edna Banta, Jean Cannon, Frank Chase, Kate Clampitt, Phil Clampitt, Bill Cooper, Robert Conway, Glenna Dishman, Jan Fleming, Freda Freshour, Max Forsyth, Betty J. Gough, Louis Nading, Leon Phelps, Suzanne Sears, Larry Silver.

311. **Northern Lake County, Ind.** (circle center moved east 3½ miles to Fifth Ave. and Virginia St. in Gary to avoid overlapping with an Illinois count whose circle includes part of Indiana).—Jan. 2; 7:15 a.m. to 7 p.m. Clear to cloudy; temp. 28° to 35°; wind S, 8-12 m.p.h.; ground bare, ditches, rivers, Lake Michigan open, some ponds frozen. Thirteen observers in 6 parties. Total party-hours, 34 (22 on foot, 12 by car); total party-miles, 133 (24 on foot, 109 by car). Horned Grebe, 1; Great Blue Heron, 2; Am. Widgeon, 1; Lesser Scaup, 10; Am. Golden-eye, 18; Old-squaw, 1204; Am. Merganser, 18; Red-breasted Merganser, 69; Cooper's Hawk, 1; Red-shouldered Hawk, 4; Marsh Hawk, 3; Sparrow Hawk, 10; Herring Gull, 673; Ring-billed Gull, 476; Mourning Dove, 2; Screech Owl, 1; Belted Kingfisher, 1; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 13; Hairy Woodpecker, 3; Downy Woodpecker, 17; Blue Jay, 65; Am. Crow, 31; Black-capped Chickadee, 13; Tufted Titmouse, 21; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 1; Brown Creeper, 1; Am. Robin, 1; **Gray Shrike,** 3; Common Starling, 1300; House Sparrow, 500; Eastern Meadowlark, 6; Red-winged Blackbird, 478; Rusty Blackbird, 4; Purple Grackle, 65; Brown-headed Cowbird, 1; Cardinal, 36; Purple Finch, 1; Pine Siskin, 3; Am. Goldfinch, 64; Slate-colored Junco, 378; **Oregon Junco,** 1 (at feeder daily—T.J.M., F.M.); Am. Tree Sparrow, 1153; Swamp Sparrow, 27; Song Sparrow, 24. **Total,** 46 species; about 6719 individuals. [Excellent details submitted for Oregon Junco—Ed.].—Ted Chandik, John Fellow, Nora Grow, Raymond Grow (compiler), John M. Louis, Floyd Maffitt, Thelma Jane Maffitt, Larry McCoy, Mr. and Mrs. George T. Newman, Jean Segal, Simon Segal, Philip R. Sigler.

312. **Richmond, Ind.** (same as last year).—Dec. 26; 8 a.m. to 5:30 p.m. Clear, cloudy at 10 a.m., clear at noon; temp. 30° to 50°; wind SW to W, 12-15 m.p.h.; ground bare, small ponds and streams frozen, rivers and large streams open. Thirteen observers in 3 parties. Total party-hours, 23 (20 on foot, 3 by car); total party-miles, 105 (35 on foot, 70 by car). Mallard, 76; Black Duck, 1; Am. Widgeon, 1; Wood Duck, 2; Red-shouldered Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 1; Bob-white, 21; Ring-necked Pheasant, 1; Killdeer, 6; Wilson's Snipe, 1; Mourning Dove, 275; Horned Owl, 2; Barred Owl, 6; Short-eared Owl, 3; Belted Kingfisher, 12; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 14; Red-headed Woodpecker, 1; Hairy Woodpecker, 11; Downy Woodpecker, 64; Horned Lark, 124; Blue Jay, 28; Am. Crow, 124; Black-capped Chickadee, 3; Carolina Chickadee, 121; Tufted Titmouse, 101; White-breasted Nuthatch, 47; Red-breasted Nuthatch, 3; Brown Creeper, 7; Winter Wren, 2; Carolina Wren, 21; Mockingbird, 3; Am. Robin, 3; Eastern Bluebird, 2; Golden-crowned Kinglet, 3; Common Starling, 353; House Sparrow, 819; Eastern Meadowlark, 14; Brown-headed Cowbird, 1; Cardinal, 150; Am. Goldfinch, 43; Eastern Towhee, 7; Slate-colored Junco, 328; Am. Tree Sparrow, 454; Field Sparrow, 10; White-crowned Sparrow, 16; Fox Sparrow, 2; Swamp Sparrow, 16; Song Sparrow, 163. **Total,** 50 species; about 3476 individuals. (Seen in area Dec. 27: Yellow-bellied Sapsucker; Dec. 30: Screech Owl.)—J. B. Cope (compiler), Mrs. H. L. Ervin, S. Frame, C. Gifford, C. Hunt, L. B. Hunt, M. Hunt, H. Key, L. E. Ripberger, Mr. and Mrs. C. S. Snow, C. Swisher, G. L. Ward.

313. **South Bend, Ind.** (same area as previous counts: deciduous woods 40%, open farmland 20%, open river 15%, marshland 20%, cedar and spruce groves 5%).—Dec. 26; 8:30 a.m. to 5 p.m. Cloudy, mostly rainy from 11 a.m.; temp. 34° to 40°; wind SW, 5-15 m.p.h.; river and creeks open, lakes partly open. Sixteen observers in 5 parties. Total party-hours, 53 (39 on foot, 14 by car); total party-miles, 151 (51 on foot, 100 by car). Pied-billed Grebe, 5; Mallard, 249; Black Duck, 3; Wood Duck, 3; Ring-necked Duck, 1; Canvas-back, 4; Am. Golden-eye, 47; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 2; Bob-white, 35; Ring-necked Pheasant, 1; Am. Coot, 2; Killdeer, 1; Herring Gull, 14; Mourning Dove, 74; Horned Owl, 1; Short-eared Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 26; Hairy Woodpecker, 5; Downy Woodpecker, 30; Blue Jay, 114; Am. Crow, 201; Black-capped Chickadee, 79; Tufted Titmouse, 68; White-breasted Nuthatch, 55; Red-breasted Nuthatch, 3; Brown Creeper, 7; Carolina Wren, 1; Am. Robin, 2; Hermit Thrush, 1; Golden-crowned Kinglet, 6; Common Starling, 278; House Sparrow, 626; Rusty Blackbird, 1; Cardinal, 64; Purple Finch, 9; Am. Goldfinch, 85; Slate-colored Junco, 280; Am. Tree Sparrow, 111; Song Sparrow, 19. **Total,** 47 species; about 2536 individuals. (Hermit Thrush seen several times previous to count.)—M. Dale Harbaugh, John Lester, Brother Edwin, Andrew Euljas, Janet Kochanowski, Nancy Rea, Scott Rea, Dorothy Meek, Marian Gibson, John Pine, Helen Dawson, John Groet, E. E. Rodgers, Hugh Woolverton, Wilfred Hoegy, Charles K. Barnes (South Bend Audubon Society).

314. **Willow Slough State Game Preserve, Morocco, Ind.** (same as 1953).—Jan. 1; 7:45 a.m. to 5:15 p.m. Overcast, fog part of afternoon; temp. 41° to 38°; wind S, 12 m.p.h.; ground bare, ditches open, part of marsh frozen. Five observers in 1 party.

Total party-hours, 9½ (6 on foot, 3½ by car); total party-miles, 65 (10 on foot, 55 by car). Great Blue Heron, 1; Canada Goose, 1000; Mallard, 100,000; Black Duck, 500; Pintail, 8; Redhead, 1; Lesser Scaup, 1; Am. Merganser, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 10; Greater Prairie Chicken, 37; Bob-white, 7; Mourning Dove, 2; Horned Owl, 1; Red-headed Woodpecker, 4; Downy Woodpecker, 5; Horned Lark, 104; Blue Jay, 50; Am. Crow, 150; Black-capped Chickadee, 1; Brown Creeper, 2; Am. Robin, 20; Common Starling, 100; House Sparrow, 150; Eastern Meadowlark, 3; Red-winged Blackbird, 133; Rusty Blackbird, 12; Purple Grackle, 12; Cardinal, 28; Pine Siskin, 1; Am. Goldfinch, 106; Slate-colored Junco, 98; Am. Tree Sparrow, 935; Swamp Sparrow, 29; Song Sparrow, 7; Lapland Longspur, 1. **Total,** 38 species; about 103,527 individuals. (Day before count, according to Preserve Manager, Jim Madden, an aerial survey was made which indicated 250,000 ducks, virtually all Mallards; he also reported 3 Bald Eagles.)—Paul Davis, Nora Grow, Raymond Grow (compiler), Jean Segal, Simon Segal.

315. **Bird Haven Sanctuary (Richland Co.), Ill.** (7½-mile radius centering on Bird Haven, including city park, cemetery, Larchmound, Weber-Shaw Wildlife Refuge, Big Creek; open farmlands 85%, deciduous forests 10%, parks and streets of Olney 5%).—Dec. 31; 7 a.m. to 5 p.m. Clear, no snow on ground; temp. 31° to 50°; wind 8-10 m.p.h. Eighteen observers in 3 parties, 7 at feeding stations. Total party-hours, 29 (5 on foot, 24 by car); total party-miles, 243 (12 on foot, 231 by car). **Canada Goose,** 60; **Mallard,** 78; Cooper's Hawk, 1; **Red-tailed Hawk,** 21; Red-shouldered Hawk, 15; Rough-legged Hawk, 5; Marsh Hawk, 9; Sparrow Hawk, 14; Greater Prairie Chicken, 1; Bob-white, 10; Mourning Dove, 235; Barn Owl, 1; Screech Owl, 1; Barred Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 18; Red-bellied Woodpecker, 26; Hairy Woodpecker, 3; Downy Woodpecker, 41; Horned Lark, 36; Blue Jay, 123; Am. Crow, 170; Carolina Chickadee, 50; Tufted Titmouse, 40; White-breasted Nuthatch, 1; Carolina Wren, 23; Mockingbird, 39; Am. Robin, 7; Eastern Bluebird, 54; Golden-crowned Kinglet, 7; Loggerhead Shrike, 12; Common Starling, 800; House Sparrow, 1184; Eastern Meadowlark, 95; Cardinal, 152; Purple Finch, 14; **Am. Goldfinch,** 236; Slate-colored Junco, 401; Am. Tree Sparrow, 314; Field Sparrow, 1; White-crowned Sparrow, 3; **Swamp Sparrow,** 2; Song Sparrow, 19. **Total,** 43 species; about 4335 individuals. (Seen in area during period: Greater Prairie Chicken, 48; Ring-necked Pheasant, 3; Yellow-bellied Sapsucker, 1; Purple Grackle, 1.)—Ann Bridges, Mr. and Mrs. W. R. Bridges, Mrs. Rolla Eichhorst, Mr. and Mrs. Olin Groves, Mrs. Minnie Hundley, Jimmie Kermickle, Joe and Roy Lathrop, Ray Miller, Mrs. D. W. Post, Mrs. W. E. Redman, Carol Scherer, Chrissy, Lee, and Ronnie Scherer, Mr. and Mrs. Chester Scherer, Mrs. Vera Scherer Shaw, Kaye and Sybil Stanford, Larry Stevens, Perna M. Stine (compiler), Mrs. Thomas Tippit.

316. **Channahon, Ill.** (riverside-roadside census; south from Channahon along tow-path of I and M Canal to Morris, then back along Kankakee and Des Plaines rivers to Channahon; river edge 60%, deciduous farm woodlots 15%, plowed fields and pasture 20%, cattail marsh 5%).—Jan. 2; 8:15 a.m. to 5 p.m. Clear to partly cloudy; temp. 31° to 45°; wind WNW, 8-10 m.p.h.; 1-2-in. crusted snow, 95% of creeks and rivers open. Two observers in 1 party. Total party-hours, 8¾ (2 on foot, 6¾ by car); total party-miles, 63 (3 on foot, 60 by car). Common Loon, 1; Great Blue Heron, 8; Canada Goose, 44; Mallard, 530; Black Duck, 370; Pintail, 45; Blue-winged Teal, 1; Lesser Scaup, 15; Am. Golden-eye, 175; Ruddy Duck, 2; Hooded Merganser, 3; Am. Merganser, 38; Red-tailed Hawk, 1; Rough-legged Hawk, 15; Marsh Hawk, 3; Sparrow Hawk, 3; Bob-white, 2; Ring-necked Pheasant, 2; Herring Gull, 28; Mourning Dove, 20; Belted Kingfisher, 3; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 7; Hairy Woodpecker, 3; Downy Woodpecker, 9; Horned Lark, 8 (Prairie); Blue Jay, 4; Am. Crow, 17; Black-capped Chickadee, 2; Tufted Titmouse, 1; White-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 1; Loggerhead Shrike, 1; Common Starling, 47; House Sparrow, 165; Eastern Meadowlark, 2; Red-winged Blackbird, 39; Brown-headed Cowbird, 1; Cardinal, 9; Am. Goldfinch, 3; Slate-colored Junco, 30; Am. Tree Sparrow, 365; Swamp Sparrow, 2; Song Sparrow, 14. **Total,** 46 species; about 2042 individuals.—Karl E. Bartel (compiler), Alfred H. Reuss, Jr.

317. **Chicago, Ill.** (15-mile diameter circle centering at Touhy and Lincoln Avenues, Lincolnwood, Ill., including lakefront, Forest Preserve District; Graceland, Rosehill and Memorial Park Cemeteries; city streets 5%, lakefront and harbors 24%, golf courses 3%, deciduous woods 34%, rivers and canals 5%, open fields 9%, cemeteries 9%, clay and gravel pits 5%, city parks 4%, feeders 2%).—Jan. 2; 7:30 a.m. to 4:30 p.m. Clear a.m., cloudy p.m.; temp. 28° to 36°; wind NW, 5-7 m.p.h.; 1½-in. melting snow in woods, lake and rivers open. Thirty-one observers in 5 parties. Total party-hours, 44; total party-miles, 136 (42 on foot, 94 by car). Horned Grebe, 1; Mallard, 103; Greater Scaup, 23; Lesser Scaup, 172; Am. Golden-eye, 331; Buffle-head, 18; Old-squaw, 426; Am. Merganser, 598; Red-breasted Merganser, 2798; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Sparrow Hawk, 4; Ring-necked Pheasant, 57; Herring Gull, 704; Ring-billed Gull, 234; Bonaparte's Gull, 1; Mourning Dove, 6; Horned Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 2; Hairy Woodpecker, 19; Downy Woodpecker, 55; Blue Jay, 11; Am. Crow, 125; Black-capped Chickadee, 71; Tufted Titmouse, 4; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 3; Brown Creeper, 7; Brown Thrasher, 1; Am. Robin, 5; Cedar Waxwing, 16; Loggerhead Shrike, 3; Common Starling, 10,278; Gray Shrike, 2; House Sparrow, 259; Eastern Meadowlark, 24; Cardinal, 61; Purple Finch, 15; Pine Grosbeak, 1; Common Redpoll, 1; Am. Gold-

finch, 11; Slate-colored Junco, 55; Am. Tree Sparrow, 174; White-throated Sparrow, 2; Swamp Sparrow, 1; Song Sparrow, 1; Snow Bunting, 12. **Total,** 50 species; about 16,716 individuals. [In addition, 32 Franklin's Gulls were reported without details and not even underlined as unusual at this season—Ed.] (Seen in area Jan. 1 and Dec. 26: Harlequin Duck; observed with 20X spotting scope—B.T.).—Mr. and Mrs. Kenneth Anglemire, Ormsby Annan, Clyde Aultz, Laurence C. Binford, Mrs. J. H. Buchanan, Mrs. Earl W. Campbell, Mrs. Harvey Davids, Mrs. Janetta DuMont, Mrs. Dorothy Ericson, Herman Frauen, Kenneth Gilchrist, Dorothy S. Helmer, John H. Helmer, John J. Janusz, Jr., Mr. and Mrs. Harry Kurshenbaum, Harold Lenz, Eugene D. Lukasik, Jr., Mr. and Mrs. Russell Mannette, Ken Mertz, Mr. and Mrs. John Morrison, Jerry Mustoffa, Alan C. Rogers, Philip Steffen, Anne Wilm, Karl Wilm, Brother Theodore, Brother I. Vincent, (compiler) (Evanston Bird Club).

318. Crab Orchard Wildlife Refuge, Carterville, Ill. (7½-mile radius centering on Wolf Creek Bridge; pine plantations 25%, deciduous woods 25%, fields 10%, lake shore 30%, house places 10%).—Dec. 28; 6 a.m. to 3 p.m. Cloudy with intermittent showers; temp. 54° to 39°; wind NE to E, 2-5 m.p.h.; mist reduced visibility on lake when temperature started dropping. Nine observers in 3 parties. Total party-hours, 19 (9 on foot, 10 by car); total party-miles, 87 (11 on foot, 76 by car). Common Loon, 4; Pied-billed Grebe, 3; Great Blue Heron, 8; Canada Goose, 42,750; Snow Goose, 2; Blue Goose, 5; Mallard, 28,893; Black Duck, 2422; Am. Widgeon, 2; Pintail, 110; Green-winged Teal, 1; Shoveller, 5; Canvas-back, 3; Lesser Scaup, 1; Am. Golden-eye, 2; Hooded Merganser, 112; Am. Merganser, 7023; Cooper's Hawk, 1; Red-tailed Hawk, 8; Red-shouldered Hawk, 3; Bald Eagle, 2; Marsh Hawk, 3; Sparrow Hawk, 6; Bob-white, 182; Am. Coot, 1; Herring Gull, 761; Ring-billed Gull, 1135; Mourning Dove, 9; Horned Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 40; Pileated Woodpecker, 1; Red-bellied Woodpecker, 6; Hairy Woodpecker, 5; Downy Woodpecker, 11; Blue Jay, 93; Am. Crow, 360; Black-capped Chickadee, 41; Carolina Chickadee, 35; Tufted Titmouse, 10; Brown Creeper, 1; Carolina Wren, 7; Mocking-bird, 10; Am. Robin, 25; Eastern Bluebird, 46; Golden-crowned Kinglet, 14; Cedar Waxwing, 20; Loggerhead Shrike, 2; Common Starling, 321; Myrtle Warbler, 1; **Pine Warbler,** 1 (W.H.); House Sparrow, 143; Eastern Meadowlark, 100; Cardinal, 327; Pine Siskin, 1; Am. Goldfinch, 103; Eastern Towhee, 1; **Spotted Towhee,** 1 (W.H., R.B.); Slate-colored Junco, 586; Am. Tree Sparrow, 163; Field Sparrow, 11; White-crowned Sparrow, 23; White-throated Sparrow, 29; Fox Sparrow, 2; Swamp Sparrow, 11; Song Sparrow, 38. **Total,** 66 species; about 86,050 individuals.—R. Brewer, R. Bell, L. Bush (compiler), E. Crawford, W. Hardy, A. Manke, W. Meneese, R. Miller, L. Sheffield.

319. Danville, Ill. (7½-mile radius centering on Amos Corner, including Kickapoo Park, Lake Vermilion, Harrison Park, Brewer and Ridge Roads, Grape Creek, Salt Fork to Catlin; City of Danville not included; woods 45%, open meadow 25%, cultivated fields 15%, roadsides 10%, marsh 5%).—Dec. 26; 7:30 a.m. to 5 p.m. Overcast, showers, clearing p.m.; temp. 40° to 50°; wind SW, 10-20 m.p.h. Twenty-five observers in 8 parties. Total party-hours, 40 (34 on foot, 6 by car); total party-miles, 310 (100 on foot, 210 by car). Mallard, 17; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 6; Bob-white, 10; Ring-necked Pheasant, 10; Mourning Dove, 17; Horned Owl, 1; Belted Kingfisher, 3; Red-shafted Flicker, 10; Red-bellied Woodpecker, 9; Hairy Woodpecker, 18; Downy Woodpecker, 17; Horned Lark, 2; Blue Jay, 51; Am. Crow, 92; Black-capped Chickadee, 45; Tufted Titmouse, 54; Red-breasted Nuthatch, 2; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 7; Mockingbird, 1; Eastern Bluebird, 1; Golden-crowned Kinglet, 4; Common Starling, 931; House Sparrow, 475; Cardinal, 47; Purple Finch, 3; Eastern Towhee, 1; Slate-colored Junco, 265; Am. Tree Sparrow, 4; Field Sparrow, 4; Song Sparrow, 9. **Total,** 36 species; about 2128 individuals.—Mr. and Mrs. Harley Anderson, Mr. and Mrs. Fred Appel, Dr. and Mrs. Glidden Baldwin, Mr. and Mrs. William Fulton, Dr. and Mrs. Robert Hamilton, Mr. and Mrs. R. M. Duffin, Sr., Russell Duffin, Jr., Richard Chapman, William Tanner, Henry Jewell, Mr. and Mrs. Paul Laker, J. W. Good, Mrs. Finley Hogbin, Florence Keiser, Mildred Brandenberger, Helen Thompson, Dr. and Mrs. Rarick.

320. Decatur, Ill. (same area as 1952; weeds and thickets 25%, river and stream bottomlands 20%, upland woodlots 18%, water 15%, fields, pasture and open country 12%, evergreens 5%, shore 3%, marsh 2%).—Dec. 26; 4:30 a.m. to 6 p.m. Partly cloudy; temp. 44° to 60°; wind SW-S, 10-20 m.p.h.; ground clear, lakes and streams mostly open. Fourteen observers in 11 parties. Total party-hours, 88 (68 on foot, 20 by car); total party-miles, 483 (56 on foot, 427 by car). Great Blue Heron, 1; Snow Goose, 1; Blue Goose, 3; Mallard, 2559; Black Duck, 229; Am. Widgeon, 2; Pintail, 21; Green-winged Teal, 1; Redhead, 1; Ring-necked Duck, 9; Canvas-back, 30; Lesser Scaup, 23; Am. Golden-eye, 43; Buffle-head, 2; Ruddy Duck, 1; Hooded Merganser, 4; Am. Merganser, 21; Cooper's Hawk, 2; Red-tailed Hawk, 5; Red-shouldered Hawk, 13; Marsh Hawk, 5; Sparrow Hawk, 9; Bob-white, 104; Killdeer, 14; Herring Gull, 6; Ring-billed Gull, 192; Mourning Dove, 60; Horned Owl, 2; Barred Owl, 6; Short-eared Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 30; Red-bellied Woodpecker, 37; Red-headed Woodpecker, 2; Hairy Woodpecker, 16; Downy Woodpecker, 112; Horned Lark, 185; Blue Jay, 121; Am. Crow, 1014; Black-capped Chickadee, 146; Tufted Titmouse, 183; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 1; Brown Creeper, 19; Winter Wren, 8; Carolina Wren, 41; Mockingbird, 7; Am. Robin, 5; Golden-crowned Kinglet, 23; Cedar Waxwing, 16; Common Starling, 20,000; House Sparrow, 1034; Eastern Meadowlark, 1; Red-winged Blackbird,

4; Purple Grackle, 14; Cardinal, 292; Purple Finch, 33; Am. Goldfinch, 156; Eastern Towhee, 1; Slate-colored Junco, 558; Am. Tree Sparrow, 311; Field Sparrow, 4; White-crowned Sparrow, 2; White-throated Sparrow, 2; Fox Sparrow, 4; Swamp Sparrow, 13; Song Sparrow, 150; Lapland Longspur, 15; Snow Bunting, 5. **Total,** 69 species; about 27,950 individuals. (In area Dec. 24: Double-crested Cormorant, 1, Loggerhead Shrike, 1, Screech Owl, 1; Dec. 27: Yellow-bellied Sapsucker, 1; Dec. 31: Eastern Bluebird, 3; Jan. 2: Brown-headed Cowbird, 6.) —G. E. Chaniot, J. Chaniot, C. D. Fisher (compiler), D. B. Gorham, H. G. Gorham, F. Irwin, R. P. Kirby, W. D. Mannering, Mr. and Mrs. C. T. Nearing, D. E. Peterson, P. T. Rivard, R. Sandburg, R. K. Simpson.

321. East St. Louis, Ill. (7½-mile radius centering on Washington Park, including Grand Marias State Park, Mounds State Park, Signal Hill, Horseshoe Lake, Monk's Mound, Mount Carmel Cemetery; deciduous woods 35%, lakes 25%, open fields 10%, marshes 10%, farmlands 5%, cemeteries 3%, brush 5%, cedar groves 2%; 5%=?—Ed.).—Dec. 30; 8 a.m. to 4:30 p.m. Clear; temp. 24° to 41°; wind SW to W, 8-12 m.p.h. Two observers in 1 party. Total party-hours, 8½ (7 on foot, 1½ by car); total party-miles, 42 (7 on foot, 35 by car). Mallard, 25,102; Black Duck, 4; Pintail, 10,075; Green-winged Teal, 3; Shoveller, 4; Redhead, 1; Canvas-back, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 2; Bob-white, 3; Killdeer, 2; Ring-billed Gull, 1; Mourning Dove, 4; Belted Kingfisher, 1; Yellow-shafted Flicker, 15; Red-bellied Woodpecker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 37; Horned Lark, 13; Blue Jay, 8; Am. Crow, 40; Black-capped Chickadee, 37; Carolina Chickadee, 16; Tufted Titmouse, 28; Carolina Wren, 19; Mockingbird, 3; Am. Robin, 32; Hermit Thrush, 1; Eastern Bluebird, 6; Cedar Waxwing, 55; Common Starling, 436; Myrtle Warbler, 1; House Sparrow, 620; European Tree Sparrow, 66; Red-winged Blackbird, 17; Cardinal, 154; Pine Siskin, 2; Am. Goldfinch, 36; Eastern Towhee, 1; Savannah Sparrow, 1; Slate-colored Junco, 167; Am. Tree Sparrow, 170; White-crowned Sparrow, 4; Swamp Sparrow, 7; Song Sparrow, 40. **Total,** 47 species; about 37,247 individuals. (Seen in area Dec. 29: Hooded Merganser, 6.)—Richard Cunningham (compiler), Sally Springer.

322. Elsah, Ill. (same area as last year).—Dec. 30; 7 a.m. to 4 p.m. Clear; temp. 25° to 35°; wind W, 5-10 m.p.h.; ground covered with light snow. Eight observers in 3 parties. Total party-hours, 10 (8 on foot, 2 by car); total party-miles, 24 (16 on foot, 8 by car). Lesser Scaup, 100; Am. Golden-eye, 3; Bald Eagle, 5; Marsh Hawk, 2; Bob-white, 11; Herring Gull, 20; Ring-billed Gull, 55; Mourning Dove, 4; Horned Owl, 2; Barred Owl, 1; Yellow-shafted Flicker, 9; Pileated Woodpecker, 5; Red-bellied Woodpecker, 18; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 22; Horned Lark, 9; Blue Jay, 30; Am. Crow, 644; Black-capped Chickadee, 31; Tufted Titmouse, 63; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 11; Mockingbird, 1; Am. Robin, 9; Eastern Bluebird, 11; Golden-crowned Kinglet, 5; Cedar Waxwing, 22; Loggerhead Shrike, 1; Common Starling, 25; House Sparrow, 160; European Tree Sparrow, 3; Red-winged Blackbird, 35; Rusty Blackbird, 200; Purple Grackle, 1200; Brown-headed Cowbird, 3; Cardinal, 70; Am. Goldfinch, 20; Slate-colored Junco, 108; Am. Tree Sparrow, 7; White-crowned Sparrow, 3; Song Sparrow, 13. **Total,** 46 species; about 2959 individuals.—R. A. Andrews, G. B. Happ, G. M. Happ, H. G. M. Happ, E. Ivy, D. B. Morgan, E. L. Rhoads, Jr., J. F. Wanamaker (compiler).

323. Joliet, Ill. (7½-mile radius centering 3 miles southwest of city; close or open woodland 50%, open water 20%, roadside and farm field 20%, suburbs and village 10%).—Jan. 2; 7 a.m. to 5 p.m. Overcast and haze; temp. 28° to 38°; no wind; 2-in. slush and snow, water open. Eight observers in 3 parties. Total party-hours, 45 (26 on foot, 19 by car); total party-miles, 280 (24 on foot, 256 by car). Great Blue Heron, 3; Mallard, 250; Black Duck, 750; Pintail, 7; Shoveller, 2; Lesser Scaup, 200; Am. Golden-eye, 50; Old-squaw, 1; Ruddy Duck, 4; Red-tailed Hawk, 1; Red-shouldered Hawk, 3; Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 9; Ring-necked Pheasant, 1; Am. Coot, 250; Herring Gull, 35; Ring-billed Gull, 2; Mourning Dove, 5; Short-eared Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 13; Hairy Woodpecker, 2; Downy Woodpecker, 15; Horned Lark, 1; Blue Jay, 10; Am. Crow, 175; Black-capped Chickadee, 17; Tufted Titmouse, 9; White-breasted Nuthatch, 2; Brown Creeper, 5; Am. Robin, 2; Gray Shrike, 1; Common Starling, 500; House Sparrow, 150; Red-winged Blackbird, 5; Purple Grackle, 2; Cardinal, 25; Am. Goldfinch, 2; Slate-colored Junco, 25; Am. Tree Sparrow, 125; Song Sparrow, 4. **Total,** 42 species; about 2669 individuals. (Seen in area Jan. 1: Snow Bunting, 9.)—Mrs. E. D. Collins, W. L. Englehardt, G. N. Hufford, W. L. Hughes, Mrs. Sam Klegg, C. D. Stallman (compiler), Mrs. Bruce Wallin, George Woodruff (Joliet Audubon Club).

324. Lisle, (DuPage Co.), Ill. (800 acres of Morton Arboretum; semi-open area 15%, open fields 10%, oak woods 35%, river bottom 10%, pine and spruce stands 30%).—Dec. 26; 9 a.m. to 3:30 p.m. Cloudy, light rain in afternoon; temp. 34° to 40°; wind SW, 10-15 m.p.h.; ground mostly bare. Twenty-four observers in 2 parties. Total party-hours, 13 (11 on foot, 2 by car); total party-miles, 26 (12 on foot, 14 by car). Sharp-shinned Hawk, 2; Sparrow Hawk, 3; Ring-necked Pheasant, 5; Mourning Dove, 39; Horned Owl, 1; Long-eared Owl, 16; Saw-whet Owl, 2; Red-bellied Woodpecker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 4; Blue Jay, 12; Am. Crow, 10; Black-capped Chickadee, 12; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 6; Brown Creeper, 3; Winter Wren, 1; Mockingbird, 1; Brown Thrasher,

1; Golden-crowned Kinglet, 6; Cedar Waxwing, 5; Common Starling, 5; House Sparrow, 2; Cardinal, 5; Purple Finch, 15; Common Redpoll, 5; Pine Siskin, 12; Am. Goldfinch, 1; White-winged Crossbill, 9; Slate-colored Junco, 28; Oregon Junco, 1 [no details —Ed.]; Am. Tree Sparrow, 3; White-throated Sparrow, 2; Song Sparrow, 2. **Total,** 34 species; about 226 individuals.—Floyd A. Swink, Mr. and Mrs. Albert Campbell, Hermann Frauen, Mr. and Mrs. Carl F. Wilm, H. L. Otte, P. A. Schultz, Mr. and Mrs. Paul Lobik, Mr. and Mrs. Raymond Mostek, Carlyle Morris, Amy G. Baldwin, Winslow Shaughnessy, Judith Smith, Bill Hunt, Margaret Smith, Harold Marshall, William Moir, Franklin Miller, Margaret Lehmann, Ted Nork, Karl E. Bartel (compiler) (Chicago Ornithological Society).

325. Murphysboro, Ill. (15-mile diameter with Murphysboro as center, including Carbondale Reservoir, Lake Murphysboro, Hickory Ridge area; deciduous woods and thickets 45%, water and lake shore 25%, fields 25%, miscellaneous 5%).—Dec. 29; 8:10 a.m. to 4:40 p.m. Cloudy with rain, sleet and snow; temp. 36° to 48°; wind E to NW, 2-35 m.p.h.; ground bare, water open. Six observers in 5 parties. Total party-hours, 29 (19 on foot, 10 by car); total party-miles, 153 (22 on foot, 131 by car). Pied-billed Grebe, 1; Canada Goose, 16; Mallard, 133; Pintail, 2; Canvas-back, 15; Ruddy Duck, 1; Turkey Vulture, 1; Black Vulture, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 12; Bob-white, 6; Killdeer, 1; Wilson's Snipe, 2; Herring Gull, 2; Ring-billed Gull, 3; Mourning Dove, 24; Screech Owl, 1; Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 4; Yellow-shafted Flicker, 27; Red-bellied Woodpecker, 19; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 7; Downy Woodpecker, 9; **Eastern Phoebe,** 1 (W.H.); **Barn Swallow,** 2 (closely and repeatedly observed at Carbondale Reservoir by R. B. and J. E. and independently by R.Q.B.); Horned Lark, 2; Blue Jay, 40; Am. Crow, 79; Carolina Chickadee, 78; Tufted Titmouse, 71; White-breasted Nuthatch, 15; Red-breasted Nuthatch, 2; Brown Creeper, 3; Winter Wren, 3; Carolina Wren, 15; Mockingbird, 2; Am. Robin, 4; Hermit Thrush, 4; Eastern Bluebird, 29; Golden-crowned Kinglet, 6; Loggerhead Shrike, 4; Common Starling, 420; House Sparrow, 283; Eastern Meadowlark, 61; Red-winged Blackbird, 1; Cardinal, 37; Purple Finch, 10; Pine Siskin, 16; Am. Goldfinch, 22; Eastern Towhee, 3; Slate-colored Junco, 245; Am. Tree Sparrow, 257; Field Sparrow, 20; White-crowned Sparrow, 2; White-throated Sparrow, 28; Fox Sparrow, 3; Swamp Sparrow, 49; Song Sparrow, 91. **Total,** 62 species; about 2207 individuals.—Roger Q. Bell, Richard Brewer, Jack Ellis, William Hardy, E. Esther Smith, Kenneth Stewart.

326. Pere Marquette State Park, Grafton, Ill. (same area as last year).—Dec. 26; 7 a.m. to 5 p.m. Clear; temp. 45° to 62°; wind S, 15 m.p.h.; ground bare and dry. Thirty-three observers in 5 parties. Total party-hours, 38 (28 on foot, 5 by cars; 5 = ?—Ed.); total party-miles, 269 (29 on foot, 240 by cars). Pied-billed Grebe, 1; Double-crested Cormorant, 5; Great Blue Heron, 2; Canada Goose, 779; Snow Goose, 300; Blue Goose, 1500; Mallard, 16,250; Black Duck, 170; Gadwall, 42; Am. Widgeon, 5; Pintail, 4020; Shoveller, 15; Redhead, 5; Ring-necked Duck, 10; Canvas-back, 240; Lesser Scaup, 680; Am. Golden-eye, 116; Buffle-head, 15; Hooded Merganser, 10; Am. Merganser, 136; Red-breasted Merganser, 17; Red-tailed Hawk, 23; Red-shouldered Hawk, 3; Rough-legged Hawk, 4; Bald Eagle, 12; Marsh Hawk, 8; Peregrine Falcon, 1; Sparrow Hawk, 26; Bob-white, 65; Am. Coot, 130; Killdeer, 10; Herring Gull, 48; Ring-billed Gull, 4903; Mourning Dove, 104; Barred Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 82; Pileated Woodpecker, 3; Red-bellied Woodpecker, 60; Red-headed Woodpecker, 82; Hairy Woodpecker, 6; Downy Woodpecker, 57; Horned Lark, 9; Blue Jay, 112; Am. Crow, 441; Black-capped Chickadee, 55; Tufted Titmouse, 103; White-breasted Nuthatch, 35; Brown Creeper, 6; Carolina Wren, 31; Mockingbird, 7; Brown Thrasher, 2; Am. Robin, 6; Hermit Thrush, 1; Eastern Bluebird, 44; Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 5; Cedar Waxwing, 44; Loggerhead Shrike, 11; Common Starling, 4812; Myrtle Warbler, 2; House Sparrow, 3375; European Tree Sparrow, 7; Eastern Meadowlark, 33; Red-winged Blackbird, 3081; Rusty Blackbird, 150; Purple Grackle, 225; Brown-headed Cowbird, 18; Cardinal, 466; Purple Finch, 34; Am. Goldfinch, 47; Leconte's Sparrow, 1 (K.W.) [no details—Ed.]; Slate-colored Junco, 1241; Am. Tree Sparrow, 1749; Field Sparrow, 14; White-crowned Sparrow, 5; White-throated Sparrow, 19; Swamp Sparrow, 12; Song Sparrow, 42. **Total,** 79 species; about 46,207 individuals.—O. C. K. Hutchinson, Beatrice Waterbury, Sarah Springer, Mary Wrischnik, Cora Hutchinson, J. Oetken, Kenneth Weber, Lucas Wrischnik, Sr., James McBurney, R. A. Andrews, Irene Weber, Lucas V. Wrischnik, Corinda Hanna, John Wanamaker, Allan Weber, Joan Wrischnik, Mildred Schaefer, H. A. Ball, Loretta Vasiloff, Charles Scherrer, Jack Buese, Glenna Ball, Lucas Wrischnik, Jr., Charles F. Scherrer, R. H. Rodrian, Dieter Rodrian, Paula Rodrian, Alice Ann Wallace, John Muether, Susan Keller, Wm. J. Bremser, Jr., Helena Engenauer, Alberta Bolinger (Pere Marquette Nature League, Cohokia Nature League).

327. River Forest and Chicago Lake Front (Cook Co.), Ill. (Forest Preserve areas along Des Plaines River between Madison St. and North Ave., Chicago lake front between Randolph St. and Northerly Island Airport; deciduous woodlands 50%, lake-front 35%, open farm fields 10%, shrubby fields 5%). —Jan. 2; 7:15 a.m. to 4:15 p.m. Partly cloudy; temp. 28° to 38°; wind NW to SE, 1-13 m.p.h.; 2-in. crusted snow, river and lake open, ponds frozen. One observer. Total hours, 8 (7 on foot, 1 by car); total miles, 17 (8 on foot, 9 by car). Mallard, 22; scaup (sp.), 1; Am. Golden-eye, 76; Old-squaw, 600; Sparrow Hawk, 2; Ring-necked Pheasant, 1; Herring Gull, 100; Ring-billed Gull, 100; Bonaparte's Gull, 53; Yellow-shafted Flicker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 14; Blue Jay, 1; Am. Crow, 19; Black-

capped Chickadee, 25; Tufted Titmouse, 4; White-breasted Nuthatch, 8; Brown Creeper, 7; Golden-crowned Kinglet, 2; Gray Shrike, 1; Common Starling, 42; House Sparrow, 36; Eastern Meadowlark, 1; Cardinal, 18; Slate-colored Junco, 7; Song Sparrow, 2; Snow Bunting, 4. **Total,** 27 species; about 1150 individuals. (Seen in area Dec. 25: Purple finch, 3; Am. Goldfinch, 5.)—A. C. Montague.

328. **Rockford, Ill.** (same area as previous years, 7½-mile radius centered just north of Owen Center to include Rock and Pecatonica river bottoms; open fields and farms 30%, creek and river borders 20%, deciduous woodlands 30%, coniferous plantings 5%, marshland and riverbottom sloughs 15%).—Dec. 26; 6:30 a.m. to 5 p.m. Rainy all day; temp. 36° to 43°; wind SE to N, 5-10 m.p.h.; ground covered by 3-in. snow, moving water open. Twenty-two observers in 7 parties. Total party-hours, 52 (27 on foot, 18 by car, 7 by canoe); total party-miles, 238 (47 on foot, 171 by car, 20 by canoe). Great Blue Heron, 1; Canada Goose, 13; Mallard, 297; Black Duck, 14; Pintail, 4; Green-winged Teal, 1; Shoveller, 2; Am. Golden-eye, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 18; Red-shouldered Hawk, 4; Rough-legged Hawk, 12; Marsh Hawk, 1; Sparrow Hawk, 3; European Partridge, 20; Bob-white, 10; Ring-necked Pheasant, 82; Wilson's Snipe, 2; Herring Gull, 2; Ring-billed Gull, 2; Mourning Dove, 26; Horned Owl, 3; Barred Owl, 1; Long-eared Owl, 4; Short-eared Owl, 4; Saw-whet Owl, 1; Belted Kingfisher, 8; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 18; Red-headed Woodpecker, 2; Hairy Woodpecker, 8; Downy Woodpecker, 39; Horned Lark, 1; Blue Jay, 51; Am. Crow, 239; Black-capped Chickadee, 58; Tufted Titmouse, 45; White-breasted Nuthatch, 46; Red-breasted Nuthatch, 8; Brown Creeper, 14; Winter Wren, 1; Carolina Wren, 3; Golden-crowned Kinglet, 11; Common Starling, 1140; House Sparrow, 1312; Eastern Meadowlark, 2; Western Meadowlark, 6; Purple Grackle, 2; Brown-headed Cowbird, 3; Cardinal, 45; Purple Finch, 18; Pine Grosbeak, 4; Am. Goldfinch, 23; White-winged Crossbill, 1; Eastern Towhee, 1; Slate-colored Junco, 151; Am. Tree Sparrow, 735; White-throated Sparrow, 1; Swamp Sparrow, 3; Song Sparrow, 23. **Total,** 61 species; about 4564 individuals.—Bob Anderson, Don Bennett, Harold E. Bennett, Mrs. Harold E. Bennett, Paul E. Boynton, Bill Brooks, Mr. and Mrs. Francis Colehour, Philip Danialson, Leland Ellis, Bob Haskin, Lee Grover Johnson (compiler), Ted Kjellstrom, Milton Mahlburg, Jack Oar, Don S. Prentice, Frank Renn, Ray Renn, Florence Schenck, David Seal, Mrs. Jane Tester, John Williams (North Central Illinois Ornithological Society).

329. **Southeastern Cook Co., Ill.** (center at 122nd St. and Ave. O, Chicago; Lake Michigan shore from Buffington Harbor to Jackson Park Harbor; Lake Calumet, Wolf Lake, Calumet River, Forest Preserve areas; deciduous woods and brush 35%, lake shore 35%, dump 5%, city streets 5%, marsh 15%, open fields 5%).—Dec. 31; 7 a.m. to 4:30 p.m. Clear; temp. 26° to 36°; wind S to SW, 5-10 m.p.h.; 2-in. fresh snow, marshes frozen, Wolf and Calumet Lakes 60% frozen, other water open. Three observers in 3 parties. Total party-hours, 21 (18 on foot, 3 by car); total party-miles, 85 (15 on foot, 70 by car). Mallard, 56; Black Duck, 11; **Greater Scaup,** 3 (wing-stripe, T.C.); Lesser Scaup, 18; Am. Golden-eye, 397; Buffle-head, 12; Old-squaw, 26; Ruddy Duck 1; Am. Merganser, 682; Sparrow Hawk, 3; Ring-necked Pheasant, 1; Am. Coot, 4; **Killdeer,** 1 (M.D.); Herring Gull, 8500; Ring-billed Gull, 1250; Bonaparte's Gull, 444; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 15; Blue Jay, 12; Am. Crow, 27; Black-capped Chickadee, 14; Tufted Titmouse, 2; White-breasted Nuthatch, 1; Carolina Wren, 3; Common Starling, 1230; House Sparrow, 75; Red-winged Blackbird, 76; Rusty Blackbird, 3; Cardinal, 19; Purple Finch, 7; Am. Goldfinch, 28; Slate-colored Junco, 50; Am. Tree Sparrow, 154; Swamp Sparrow, 2; Song Sparrow, 11. **Total,** 37 species; about 13,142 individuals. (Seen in area Dec. 25: Field Sparrow; Dec. 27: Brown Creeper; Jan. 2: Canvas-back, 6.)—Ted Chandik, Hubert Davis, Marvin Davis (compiler).

330. **Springfield, Ill.** (7½-mile radius centering on city square, including Lake Springfield, Clear Lake, Oak Ridge Cemetery, Carpenter's Park, Winch's Lane, Chatham Flats; water 5%, riverbottom 20%, pasture 20%, plowland 40%, city parks 15%).—Dec. 26; 8 a.m. to 4 p.m. Cloudy a.m., clearing p.m.; temp. 40° to 55°; wind S to SW, 5-25 m.p.h.; ground bare and muddy, river mostly frozen, lake mostly open. Eleven observers in 3 parties. Total party-hours, 20 (14 on foot, 6 by car); total party-miles, 70 (10 on foot, 60 by car). Common Loon, 1; Canada Goose, 46; Mallard, 5000; Black Duck, 1000; Gadwall, 1; Am. Widgeon, 3; Pintail, 9; Canvas-back, 17; Lesser Scaup, 3; Am. Golden-eye, 20; Am. Merganser, 30; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 1; Bob-white, 12; Am. Coot, 7; Herring Gull, 1; Ring-billed Gull, 500; Mourning Dove, 1; Barred Owl, 1; Yellow-shafted Flicker, 11; Red-bellied Woodpecker, 16; Red-headed Woodpecker, 18; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 47; Horned Lark, 11; Blue Jay, 73; Am. Crow, 1038; Black-capped Chickadee, 154; Tufted Titmouse, 57; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 3; Brown Creeper, 10; Carolina Wren, 11; Mockingbird, 1; Am. Robin, 5; Eastern Bluebird, 2; Golden-crowned Kinglet, 3; Common Starling, 1165; House Sparrow, 220; Eastern Meadowlark, 1; Cardinal, 128; Purple Finch, 3; Am. Goldfinch, 112; Slate-colored Junco, 147; Am. Tree Sparrow, 63; White-crowned Sparrow, 2; Song Sparrow, 66. **Total,** 50 species; about 10,041 individuals.—Milton Thompson, W. A. Sausaman, M. D. Cook (compiler), Vern Greening, William Robertson, Richard Allyn, Mrs. Richard Allyn, William O'Brien, Emma Leonard, Lois Hogan, Lena Hardbarger (Springfield Nature League).

331. **Urbana-Champaign, Ill.** (Sangamon River near White Heath, Lake-of-the-Woods, Trelease and Brownfield Woods, South Farms, city dump, intervening farmlands; woods 40%, forest-edge 30%, open country 30%).—Dec. 27; 8:15 a.m. to 4:15 p.m. Raining or overcast; temp. 48° to 50°; wind light; ground bare, lake partly frozen. Eight observers in 2 parties. Total party-hours, 12 (8 on foot, 4 by car); total party-miles, 70 (10 on foot, 60 by car). Mallard, 100; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 3; Bob-white, 10; Ring-necked Pheasant, 3; Ring-billed Gull, 1; Mourning Dove, 30; Barred Owl, 2; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 8; Hairy Woodpecker, 9; Downy Woodpecker, 30; Horned Lark, 1; Blue Jay, 16; Am. Crow, 43; Black-capped Chickadee, 17; Tufted Titmouse, 32; White-breasted Nuthatch, 13; Brown Creeper, 12; Carolina Wren, 7; Golden-crowned Kinglet, 15; **Ruby-crowned Kinglet,** 1 (W.M.L.); Common Starling, 340; House Sparrow, 500; Brown-headed Cowbird, 12; Cardinal, 33; Purple Finch, 14; Am. Goldfinch, 50; Slate-colored Junco, 12; Am. Tree Sparrow, 51; Song Sparrow, 14. **Total,** 34 species; about 1407 individuals.—Kenneth Clark, Carl Gieseking, Donald F. Hansen, Donald Henry, S. C. Kendeigh (compiler), Wilbur M. Luce, Nita Neal, Clark S. Robinson.

332. **Zion, Ill.** (10 miles along Lake Michigan from Waukegan north to Winthrop Harbor, inland 10 miles, including Ill. Beach State Park and Waukegan Harbor; deciduous woods and brush 40%, lake shore, harbor, and inland open water 20%, roadsides and fields 15%, coniferous woods 15%, miscellaneous 10%).—Dec. 31; 7:15 a.m. to 4:30 p.m. Clear; temp. 27° to 39°; wind SW, 10-15 m.p.h.; 8-in. snow. Eleven observers in 6 parties. Total party-hours, 28 (17 on foot, 11 by car); total party-miles, 148 (28 on foot, 120 by car). Canada Goose, 12; Mallard, 250; Black Duck, 10; Pintail, 1; Greater Scaup, 250; Lesser Scaup, 1; Am. Golden-eye, 250; Buffle-head, 1; Old-squaw, 500; Am. Merganser, 800; Red-breasted Merganser, 6; unidentified ducks, 1200; Red-tailed Hawk, 7; Marsh Hawk, 4; Sparrow Hawk, 8; Ring-necked Pheasant, 48; Am. Coot, 3; Herring Gull, 3000; Bonaparte's Gull, 83; unidentified gulls, 400; Mourning Dove, 1; Screech Owl, 1; Saw-whet Owl, 1 (dead); Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 2; **Red-headed Woodpecker,** 12; Hairy Woodpecker, 1; Downy Woodpecker, 24; Blue Jay, 31; Am. Crow, 369; Black-capped Chickadee, 16; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 5; Winter Wren, 1; Am. Robin, 1; Golden-crowned Kinglet, 1; Gray Shrike, 1; Common Starling, 480; House Sparrow, 185; Eastern Meadowlark, 5; Red-winged Blackbird, 26; Rusty Blackbird, 5; Cardinal, 7; Purple Finch, 1; Pine Siskin, 55; Am. Goldfinch, 13; Slate-colored Junco, 53; Am. Tree Sparrow, 353; Swamp Sparrow, 8; Song Sparrow, 4. **Total,** 48 species; about 8501 individuals. (In area count week: Ring-billed Gull, Barn Owl, Long-eared Owl, Purple Grackle, White-throated Sparrow, Snow Bunting.) —Bill Barclay, Jack Bicket, Mrs. Howard Bishop, Ted Dreyer, Leroy Golwitzer, Roger Hotham (compiler), Dave Hyllberg, Gerald Mason, Terry Mischler, Neal Rendall, Dee Weaver (Northern Illinois Natural History Society).

333. **Adams, Wis.** (same area as last year; deciduous bottomlands 40%, river banks 35%, open fields 20%, residential 5%).—Dec. 27; 6:15 a.m. to 4 p.m. Overcast, snowing in p.m.; temp. 28° to 24°; wind ENE, 15 m.p.h.; 2-in. crusted snow, Wisconsin River open below Castle Rock Dam, frozen above dam, creeks open. Three observers in 1 party. Total party-hours, 9 (5½ on foot, 3½ by car); total party-miles, 104 (6 on foot, 98 by car). Mallard, 3; Black Duck, 1; Am. Golden-eye, 1; Bald Eagle, 1; Ruffed Grouse, 4; Horned Owl, 4; Pileated Woodpecker, 1; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 5; Hairy Woodpecker, 6; Downy Woodpecker, 5; Blue Jay, 82; Am. Crow, 69; Black-capped Chickadee, 36; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 2; Brown Creeper, 2; Golden-crowned Kinglet, 5; Common Starling, 70; House Sparrow, 220; Cardinal, 9; Purple Finch, 1; Common Redpoll, 1; Am. Goldfinch, 95; Slate-colored Junco, 100; Am. Tree Sparrow, 125; Lapland Longspur, 1. **Total,** 27 species; about 860 individuals.—R. V. Christensen, J. P. Holmes, S. D. Robbins (compiler).

334. **Appleton, Wis.** (7-mile radius centering in Appleton, east to Kaukauna, west and south to lake front and Neenah; city parks and streets 5%, river-bank 20%, cemetery 5%, fields 25%, lake front 40%, hardwoods 5%).—Dec. 26; 7:30 a.m. to dark. Haze, visibility less than a mile, cloudy afternoon; temp. 38° to 36°; wind SW, NW, N, NE, 12-9-15 m.p.h.; 3-4-in. snow, river open, lake frozen except at entrance of river. Seven observers in 4 parties. Total party-hours, 13 (3 on foot, 10 by car); total party-miles, 98 (8 on foot, 90 by car). Mallard, 16; Black Duck, 370; Ring-necked Duck, 1; Lesser Scaup, 7; Am. Golden-eye, 355; Ruddy Duck, 3; Am. Merganser, 23; Red-tailed Hawk, 1; Ring-necked Pheasant, 3; Herring Gull, 170; Belted Kingfisher, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 9; Blue Jay, 8; Am. Crow, 8; Black-capped Chickadee, 31; White-breasted Nuthatch, 8; Brown Creeper, 3; Carolina Wren, 1; Loggerhead Shrike, 1 (dead); Common Starling, 112; House Sparrow, 125; Cardinal, 18; Slate-colored Junco, 25; Am. Tree Sparrow, 25. **Total,** 25 species; about 1330 individuals. (Flock of 500 Am. Crows in area Jan. 2.)—Mrs. A. C. Berry, Janet Berry, Mrs. W. C. Rehbein, W. C. Rehbein, Luther H. Rogers, Mrs. Walter E Rogers, Mrs. Dale Vawter.

335. **Arkdale, Wis.** (same area as last year; creek-bottom woodlands 40%, deciduous farm woodlots 20%, open fields 20%, swamp meadows 10%, river banks 10%).—Jan. 1; 6 a.m. to 5:30 p.m. Cloudy, clearing in p.m.; temp. 23° to 38°; wind SW, 5 m.p.h.; 2-in. crusted snow, Wisconsin River partly open, creeks open. Four observers in 2 parties. Total party-hours, 14 (9 on foot, 5 by car); total party-miles, 79 (11 on foot, 68 by car). Great Blue Heron,

2; Mallard, 50; Black Duck, 25; Ring-necked Duck, 1; Lesser Scaup, 1; Am. Golden-eye, 2; Am. Merganser, 8; Red-tailed Hawk, 1; Bald Eagle, 20; Ruffed Grouse, 6; Bob-white, 1; Wilson's Snipe, 2; Screech Owl, 1; Horned Owl, 14; Barred Owl, 1; Belted Kingfisher, 1; Pileated Woodpecker, 5; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 28; Hairy Woodpecker, 6; Downy Woodpecker, 6; Blue Jay, 89; Am. Crow, 121; Black-capped Chickadee, 26; White-breasted Nuthatch, 11; Brown Creeper, 1; Winter Wren, 1; Golden-crowned Kinglet, 2; Gray Shrike, 3; Common Starling, 26; House Sparrow, 95; Western Meadowlark, 1; Cardinal, 1; Purple Finch, 1; Common Redpoll, 1; Am. Goldfinch, 200; Slate-colored Junco, 16; Am. Tree Sparrow, 46. **Total,** 38 species; about 829 individuals.—N. R. Barger, G. W. Foster, J. P. Holmes, S. D. Robbins (compiler).

336. **Chippewa Falls, Wis.** (Big Falls to Seymour, Dells Pond to Chippewa Falls, Irvine Park, Lake Wissota; riverbottom woodlands 15%, Jack Pine, Scrub Oak 20%, Norway Pine, White Pine, White Oak forest 20%, deciduous woodlots 15%, open farms 25%, towns 5%).—Dec. 29; 6.30 a.m. to 5 p.m. Clear a.m., cloudy p.m.; temp. 0° to 22°; wind NNE, 4-8 m.p.h.; 3-in. snow, lakes and ponds frozen, rivers partly frozen. One observer. Total hours, 10½ (3 on foot, 7½ by car); total miles, 89 (6 on foot, 83 by car). Am. Golden-eye, 125; Red-shouldered Hawk, 1; Ruffed Grouse, 1; Mourning Dove, 60; Long-eared Owl, 1; Pileated Woodpecker, 2; Red-headed Woodpecker, 5; Downy Woodpecker, 3; Blue Jay, 61; Am. Crow, 17; Black-capped Chickadee, 33; Tufted Titmouse, 1; White-breasted Nuthatch, 9; Am. Robin, 1; Gray Shrike, 1; Common Starling, 94; House Sparrow, 848; Cardinal, 9; Am. Goldfinch, 62; Am. Tree Sparrow, 75; Snow Bunting, 110. **Total,** 21 species; about 1519 individuals. (In area count period: Bald Eagle, Belted Kingfisher, Eastern Meadowlark, Slate-colored Junco.)—Charles A. Kemper.

337. **Green Bay, Wis.** (7½-mile radius centering on Bay Beach, including Bay Shore, Point Sauble, Scott, Allouez, De Pere; upland woods 35%, thickets and swamps 15%, pasture 15%, plow land 5%, river and bay shore 20%, city streets and cemeteries 10%). —Dec. 26; 7 a.m. to 4:30 p.m. Cloudy a.m., clearing p.m.; temp. 34° to 39°; wind SW to W, 0-3 m.p.h.; 1-in. melting snow. Twelve observers in 5 parties. Total party-hours, 23 (13¾ on foot, 9¼ by car); total party-miles, 177¾ (13¾ on foot, 164 by car). Canada Goose, 8; Mallard, 38; Black Duck, 12; Green-winged Teal, 3; Canvas-back, 3; Greater Scaup, 30; Lesser Scaup, 20; Am. Golden-eye, 20; **Ruddy Duck,** 4; **Hooded Merganser,** 1; Am. Merganser, 430; **Red-breasted Merganser,** 2; **Cooper's Hawk,** 1; **Red-tailed Hawk,** 5; Rough-legged Hawk, 3; Sparrow Hawk, 4; Ruffed Grouse, 4; European Partridge, 12; Ring-necked Pheasant, 12; Am. Coot, 16; Herring Gull, 128; **Ring-billed Gull,** 1; Screech Owl, 1; Snowy Owl, 3; **Belted Kingfisher,** 1; **Yellow-shafted Flicker,** 4; **Pileated Woodpecker,** 1; **Red-bellied Woodpecker,** 1 (E.C., E.P.); Hairy Woodpecker, 10; Downy Woodpecker, 17; Blue Jay, 156; Am. Crow, 94; Black-capped Chickadee, 74; White-breasted Nuthatch, 28; Red-breasted Nuthatch, 1; Brown Creeper, 1; Am. Robin, 36; Golden-crowned Kinglet, 5; Gray Shrike, 5; Common Starling, 215; House Sparrow, 1365; Red-winged Blackbird, 1; Cardinal, 10; Evening Grosbeak, 1; Pine Grosbeak, 1; Common Redpoll, 125; Am. Goldfinch 39; Slate-colored Junco, 24; Am. Tree Sparrow, 64; Song Sparrow, 1. **Total,** 50 species; about 3041 individuals. (Seen in area week preceding count: Eastern Meadowlark, Mourning Dove, Great Blue Heron, Snow Bunting; week following count: Brewer's Blackbird, Bohemian Waxwing.)—Ed Paulson, Jim Quinn, Bob Bethe, Chester Krawczyk, Paul Romig, Mrs. Paul Romig, Mrs. Andrew Weber, Esther Rahn, Mrs. Roy Martell, Ray Hussong, Mrs. Ray Hussong, Edwin D. Cleary (compiler) (Green Bay Bird Club).

338. **Horicon Refuge, Mayville, Wis.** (50-mile circumference [exceeds census rules—Ed.] centered around Horicon National Wildlife Refuge in Dodge and Fond du Lac Counties; willows and cattail marsh 40%, fencerows and ditches 30%, hardwood woodlots 10%, cropland 20%).—Dec. 27; 8 a.m. to 4 p.m. Occasional snow flurries; temp. 26° to 30°; wind N, 15 m.p.h.; ground covered with 2-3-in. snow, 98% water frozen. Two observers in 2 parties. Total party-hours, 13 (3 on foot, 10 by car); total party-miles, 57 (5 on foot, 52 by car). Canada Goose, 24; Mallard, 65; Black Duck, 4; Am. Widgeon, 1; Pintail, 2; Ruddy Duck, 5; Red-tailed Hawk, 2; Rough-legged Hawk, 5; Sparrow Hawk, 1; Ring-necked Pheasant, 162; Am. Coot, 11; Snowy Owl, 1; Hairy Woodpecker, 1; Blue Jay, 1; Am. Crow, 4; Black-capped Chickadee, 3; Gray Shrike, 1; Common Starling, 6; House Sparrow, 160; Red-winged Blackbird, 1; Cardinal, 1; Slate-colored Junco, 1; Am. Tree Sparrow, 30; White-crowned Sparrow, 1. **Total,** 24 species; about 493 individuals. [Submitted as Waupun, Wis. in 1954—Ed.]—Lloyd F. Gunther (compiler), Charles A. Hughlett.

339. **Lake Geneva, Wis.** (area same as previous years).—Dec. 27; 7 a.m. to 4 p.m. Rainy all day; temp. 35° to 40°; wind NE to E, 5-20 m.p.h.; patches of snow, entire lake open. Seven observers in 2 parties. Total party-hours, 18 (14 on foot, 4 by car); total party-miles, 61 (9 on foot, 52 by car). Pied-billed Grebe, 2; Canada Goose, 1; Mallard, 10; Black Duck, 10; Am. Widgeon, 2; Ring-necked Duck, 2; Canvas-back, 2500; Lesser Scaup, 6; Am. Golden-eye, 350; Buffle-head, 2; White-winged Scoter, 1; Hooded Merganser, 4; Am. Merganser, 50; Red-tailed Hawk, 1 (Krider's); Red-shouldered Hawk, 1; Rough-legged Hawk, 2; **Ferruginous Hawk,** 1 (E.A.); Ring-necked Pheasant, 5; Am. Coot, 550; Killdeer, 1; Herring Gull, 50; Ring-billed Gull, 1; Red-headed Woodpecker, 4; Downy Woodpecker, 2; Blue Jay, 6; Am. Crow, 30; Black-capped Chickadee, 13; White-breasted Nuthatch, 2; Brown Creeper, 4; Golden-crowned Kinglet, 1; House Sparrow, 15; Rusty Blackbird, 1; Brewer's Blackbird, 1; Cardinal,

7; Common Redpoll, 6; Am. Goldfinch, 1; Slate-colored Junco, 32; Am. Tree Sparrow, 8; Song Sparrow, 2. **Total,** 39 species; about 3687 individuals. —Earl Anderson, Karl Bartel, Albert Gilbert, Margaret Lehmann, Bob Palmquist, Ronnie Palmquist, Clarence O. Palmquist (Chicago Ornithological Society).

340. Madison, Wis. (7½-mile radius centering around State Capitol as on other counts).—Dec. 26; 7 a.m. to 5 p.m. Overcast with intermittent rain; temp. 30° to 38°; wind SE, 2-5 m.p.h.; 2-in. old snow, Lakes Mendota and Monona open, others frozen, streams generally open. Thirty observers in 12 parties. Total party-hours, 83 (65 on foot, 18 by car); total party-miles, 403 (43 on foot, 360 by car). **Black-crowned Night Heron,** 1; Mallard, 1688; Black Duck, 832; Gadwall, 11; Am. Widgeon, 10; Pintail, 1; Green-winged Teal, 2; Redhead, 58; Ring-necked Duck, 13; Canvas-back, 2084; **Greater Scaup,** 30 (M. and R.L.); Lesser Scaup, 256; Am. Golden-eye, 837; Buffle-head, 50; **Old-squaw,** 1 (M. and R.L.); **White-winged Scoter,** 2 (A.K.); Ruddy Duck, 17; Hooded Merganser, 4; Am. Merganser, 205; Red-breasted Merganser, 3; **Goshawk,** 1 (R.A.W.); Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 15; Red-shouldered Hawk, 3; Rough-legged Hawk, 4; Marsh Hawk, 10; Sparrow Hawk, 6; unidentified buteos, 2; Ring-necked Pheasant, 68; Am. Coot, 979; Wilson's Snipe, 1; Herring Gull, 131; Ring-billed Gull, 280; unidentified gulls, 2; Mourning Dove, 13; Horned Owl, 1; Barred Owl, 2; Long-eared Owl, 7; Short-eared Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 4; Hairy Woodpecker, 41; Downy Woodpecker, 46; Horned Lark, 8; Blue Jay, 220; Am. Crow, 605; Black-capped Chickadee, 196; **Brown-capped Chickadee,** 1 (R.A.W.); Tufted Titmouse, 6; White-breasted Nuthatch, 55; Red-breasted Nuthatch, 16; Brown Creeper, 25; Winter Wren, 1; Am. Robin, 4; Golden-crowned Kinglet, 66; Cedar Waxwing, 1; Gray Shrike, 6; Common Starling, 694; House Sparrow, 1094; meadowlark (sp.), 8; Red-winged Blackbird, 381; Purple Grackle, 1; Cardinal, 57; Evening Grosbeak, 6; Purple Finch, 44; Pine Grosbeak, 23; Pine Siskin, 3; Am. Goldfinch, 32; White-winged Crossbill, 1; Slate-colored Junco, 353; **Oregon Junco,** 1 (G.W.F.); Am. Tree Sparrow, 899; White-throated Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 13; Lapland Longspur, 807; Snow Bunting, 13. **Total,** 78 species; about 13,383 individuals. (Seen within week of count in census area: Pied-billed Grebe, 1; Screech Owl, 2; Snowy Owl, 1; Common Redpoll, 10.) [Excellent details for all unusual observations—Ed.]—Mrs. Florence Anderson, Mr. and Mrs. N. R. Barger, Jr., Norval Barger, Jr., Mr. and Mrs. L. W. Brown, Mr. and Mrs. G. W. Foster, Jr., Alice Fosse, Joseph J. and Margaret B. Hickey, Alan Keitt, Jim Koch, Mrs. James Lacey, Mr. and Mrs. Roy Lound, Dave Lupton, Mrs. Eleanor Miles, Mr. and Mrs. James Neis, Bill Roark, A. W. Schorger, Ruth Stillman, J. G. Waddell, John Waddell, Josephine Walker, Mrs. R. A. Walker (compiler), Ray White, Richard and Tom Wills.

341. Mazomanie, Wis. (south side of Wisconsin River between Mazomanie and Sauk City, north side between Prairie du Sac and Ferry Bluff; wooded bottomland 40%, marsh 30%, open fields 10%, river bank 10%, farmyards 5%, residential 5%).—Dec. 28; 7 a.m. to 4:30 p.m. Cloudy with snow squalls, clearing p.m.; temp. 16° to 28°; wind E, 12 m.p.h.; 5-in. snow on ground, Wisconsin River mostly open, creeks open. Three observers in 1 party. Total party-hours, 9½ (6 on foot, 3½ by car); total party-miles, 47 (5 on foot, 42 by car). Mallard, 8; Black Duck, 1; Am. Golden-eye, 4; Am. Merganser, 1; Red-tailed Hawk, 5; Bald Eagle, 4; Marsh Hawk, 1; Bob-white, 6; Am. Coot, 1; Wilson's Snipe, 1; Herring Gull, 60; Mourning Dove, 51; Horned Owl, 5; Barred Owl, 1; Belted Kingfisher, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 14; Red-headed Woodpecker, 12; Hairy Woodpecker, 5; Downy Woodpecker, 11; Blue Jay, 60; Am. Crow, 37; Black-capped Chickadee, 20; Tufted Titmouse, 6; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 1; Brown Creeper, 1; Golden-crowned Kinglet, 1; Gray Shrike, 1; Common Starling, 325; House Sparrow, 605; Cardinal, 53; Evening Grosbeak, 1; Purple Finch, 4; Pine Siskin, 10; Am. Goldfinch, 45; Slate-colored Junco, 340; Am. Tree Sparrow, 260; Song Sparrow, 2; Lapland Longspur, 1; Snow Bunting, 1. **Total,** 41 species; about 1978 individuals.—N. R. Barger, W. N. Roark, S. D. Robbins (compiler).

342. Milwaukee, Wis. (area same as previous counts).—Jan. 2; 7:30 a.m. to 5 p.m. Sunny to noon, cloudy p.m.; temp. 21° to 31°; wind NW, 10-15 m.p.h.; 6-8-in. crusty snow, Lake Michigan and parts of Milwaukee River open, Juneau Park Lagoon kept open all winter by aerating system. Twenty-five observers in 8 parties. Total party-hours, 53 (21 on foot, 32 by car); total party-miles, 274 (35 on foot, 239 by car). Common Loon, 2; Red-throated Loon, 19; Western Grebe, 2 [no details—Ed.]; Black-crowned Night Heron, 1; Canada Goose, 2; Mallard, 2025; Black Duck, 75; Gadwall, 3; Am. Widgeon, 9; Pintail, 8; Shoveller, 6; Wood Duck, 1; Redhead, 5; Canvas-back, 8; Greater Scaup, 550; Am. Golden-eye, 1365; Buffle-head, 87; Old-squaw, 735; Ruddy Duck, 14; Hooded Merganser, 8; Am. Merganser, 512; Red-breasted Merganser, 497; Red-tailed Hawk, 6; Rough-legged Hawk, 2; Sparrow Hawk, 12; European Partridge, 14; Ring-necked Pheasant, 200; Herring Gull, 2467; Ring-billed Gull, 3100; Bonaparte's Gull, 70; Mourning Dove, 42; Screech Owl, 2; Long-eared Owl, 27; Short-eared Owl, 1; Belted Kingfisher, 2; Hairy Woodpecker, 5; Downy Woodpecker, 47; Horned Lark, 7 (Prairie, 5); Blue Jay, 12; Am. Crow, 217; Black-capped Chickadee, 162; White-breasted Nuthatch, 53; Red-breasted Nuthatch, 8; Brown Creeper, 1; Carolina Wren, 3; Am. Robin, 3; Hermit Thrush, 1; Golden-crowned Kinglet, 33; Cedar Waxwing, 7; Gray Shrike, 7; Common Starling, 1215; Eastern Meadowlark, 9; Cardinal, 59; Evening Grosbeak, 5; Purple Finch, 2; Pine Grosbeak, 33;

Common Redpoll, 5; Pine Siskin, 1; Am. Goldfinch, 46; Vesper Sparrow, 1 [no details—Ed.]; Slate-colored Junco, 163; Oregon Junco, 1 [no details—Ed.]; Am. Tree Sparrow, 220; White-throated Sparrow, 1. **Total,** 64 species (1 additional subspecies); about 14,206 individuals. (Seen in area during count period: Snowy Owl, Canada Jay, Bohemian Waxwing.)—Marion Allen, Mrs. A. P. Balsom (compiler), Harold Bauers, Virginia Becker, Mike Becker, Russ Burlingame, G. E. Collentine, Mrs. C. R. Decker, Jr., Mr. and Mrs. C. Frister, Carl Hayssen, Anna Hehn, John Hoogerheide, R. Jankowski, Jerome Karidis, A. Kruger, Dixie Larkin, Nila O'Hearn, Mr. and Mrs. E. Peartree, Karl Priebe, A. Shaffer, Mrs. L. P. C. Smith, Mrs. W. D. Van Dyke, Jerry Vogelsang (John Muir Club, City Club Bird Group, Milwaukee Audubon Society).

343. **Racine, Wis.** (7½-mile radius centering on North Shore R. R. Station, including Lake Michigan, Johnson Park; lake shore 5%, urban 15%, river bottom 10%, farmland or park 70%).—Dec. 29; 7:15 a.m. to 4:45 p.m. Overcast a.m., blizzard p.m.; temp. 23° to 28°; wind E to N, 10-25 m.p.h.; running streams and Lake Michigan open, lagoons and ponds frozen. Three observers in 1 party. Total party-hours, 9½ (5 on foot, 4½ by car); total party-miles, 40 (5 on foot, 35 by car). Mallard, 1; Black Duck, 137; scaup (sp.), 265; Am. Golden-eye, 316; Buffle-head, 12; Old-squaw, 29; Am. Merganser, 8; Herring Gull, 1596; Ring-billed Gull, 351; Bonaparte's Gull, 3; Downy Woodpecker, 1; Blue Jay, 2; Black-capped Chickadee, 1; White-breasted Nuthatch, 2; Common Starling, 128; House Sparrow, 69; Cardinal, 1. **Total,** 17 species; about 2922 individuals. (Slate-colored Junco seen Dec. 28.)—Mary-Elizabeth Whelan (compiler), Cecilia T. Whelan, Henry S. Keefe.

344. **Seneca, Wis.** (same as last year).—Dec. 26; 7:30 a.m. to 4 p.m. Overcast; temp. 32° to 38°; wind N, 2-8 m.p.h.; ground with 3-in. snow, river and streams partly frozen. One observer. Total hours, 8½ (7½ on foot, 1 by car); total miles, 42 (8 on foot, 34 by car). Canada Goose, 16; Bald Eagle, 1; Bobwhite, 10; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 4; Blue Jay, 5; Am. Crow, 3; Black-capped Chickadee, 7; Tufted Titmouse, 2; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 1; Common Starling, 24; House Sparrow, 25; Cardinal, 3; Am. Goldfinch, 21; Am. Tree Sparrow, 50; Field Sparrow, 1; Song Sparrow, 1. **Total,** 21 species; about 190 individuals.—Clarence Paulson.

345. **Waukesha, Wis.** (15-mile diameter, same as 1949 and subsequent years, including Kettle Moraine State Forest, Fox River valley, Mukwonago Marsh, Saylesville, Mukwonago Big Bend, south shore of Pewaukee Lake, south shore of Nagawicka Lake; open farmlands 45%, deciduous farm woodlots 36%, Tamarack swamp 4½%, grassy marsh 14%, park ½%).—Dec. 26; 7 a.m. to 5 p.m.; temp. 35° to 40°; wind ENE, 5 m.p.h.; snow on ground, river open, lakes and ponds mostly open. Twenty-six observers in 13 parties (5 observers at home feeders). Total party-hours, 57 (21 on foot, 36 by car); total party-miles, 417 (31 on foot, 386 by car). Common Loon, 5; Pied-billed Grebe, 1; Mallard, 171; Black Duck, 160; Lesser Scaup, 3; Am. Golden-eye, 16; Am. Merganser, 25; Red-breasted Merganser, 2; Cooper's Hawk, 1; Red-tailed Hawk, 25; Rough-legged Hawk, 3; Marsh Hawk, 5; Sparrow Hawk, 2; European Partridge, 11; Ring-necked Pheasant, 7; Am. Coot, 300; Herring Gull, 159; Ring-billed Gull, 3; Mourning Dove, 21; Horned Owl, 1; Short-eared Owl, 3; Belted Kingfisher, 3; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 10; Hairy Woodpecker, 22; Downy Woodpecker, 55; Blue Jay, 105; Am. Crow, 861; Black-capped Chickadee, 115; Tufted Titmouse, 1; White-breasted Nuthatch, 35; Brown Creeper, 5; Winter Wren, 1; Long-billed Marsh Wren, 2 (singing); Golden-crowned Kinglet, 2; Cedar Waxwing, 1; Loggerhead Shrike, 5; Common Starling, 868; House Sparrow, 1517; Eastern Meadowlark, 8; Red-winged Blackbird, 16; Purple Grackle, 1; Cardinal, 21; Purple Finch, 40; Am. Goldfinch, 11; Slate-colored Junco, 464; Oregon Junco, 1 [no details—Ed.]; Am. Tree Sparrow, 1859; Swamp Sparrow, 1; Song Sparrow, 13; Lapland Longspur, 5. **Total,** 52 species; about 6975 individuals. (Dec. 27: Red-breasted Nuthatch.)—S. Paul Jones, Peter Weber, Charles Sontag, Fred Alyea, Paul G. Hoffman, Emma Hoffman, Robert Adams (compiler), Tom Soulen, Mary Sydow, Helen Kramer, Olive Compton, Les Compton, Mary Nelson, Charles E. Nelson, Ernest Zimmerman, George Egan, Nancy Egan, Ron Cuthbert, Harvey Draheim, J. E. DeLong, Lydia Schwartz, Verna Zimmerman, Alice R. Jones, Mary Rutenber, Herman Schaars, Marie Schaars.

346. **Wyalusing, Wis.** (2 x ½ mile area centering on Spring Lakes, including Glen Lake, Wyalusing Bay, portion of Upper Mississippi Refuge; ice-covered sloughs, ponds and lakes 50%, cut-over bottomland hardwood with good under cover 25%, grassy railroad right-of-way 25%).—Dec. 29; 8 a.m. to 3 p.m. Overcast; temp. 8° to 15°; wind calm; 4-in. snow on ground, all water frozen. Six observers in 1 party. Total party-hours, 7 (all on foot); total party-miles, 16. Bald Eagle, 2; Red-bellied Woodpecker, 2; Downy Woodpecker, 2; Blue Jay, 1; Am. Crow, 2; Black-capped Chickadee, 13; Tufted Titmouse, 2; White-breasted Nuthatch, 9; Brown Creeper, 1; Cardinal, 1; Slate-colored Junco, 1; Am. Tree Sparrow, 2. **Total,** 12 species; 38 individuals.—H. H. Burgess (compiler), Robert Collins, Nicolas Moran, Gordon Quinn, Charles Smith, Wayne Standorf.

347. **Cedar Creek Bog (Anoka Co.), Minn.** (4 square miles of Cedar Creek Game Refuge, land adjacent to road leading to area for 11 miles; open farmland 14%, White Pine and hardwoods 45%, White Cedar, Tamarack, alder 40%, cattail marsh 1%).—Jan. 2; 9 a.m. to 4 p.m. Clear till 10 a.m., then cloudy; temp. 11° to 25°; wind SE, 0-20 m.p.h.; 2-3-in. old snow, light snow flurries at noon, creek and lakes frozen. Eighteen observers in 4 parties. Total

party-hours, 13 (12 on foot, 1 by car); total party-miles, 13 (11 on foot, 2 by car). Accipiter (sp.), 1; Ruffed Grouse, 8; Long-eared Owl, 1; Red-headed Woodpecker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 1; Blue Jay, 16; Am. Crow, 3; Black-capped Chickadee, 71; Tufted Titmouse, 2; White-breasted Nuthatch, 6; Brown Creeper, 3; Golden-crowned Kinglet, 1; **Gray Shrike,** 3; Common Starling, 6; House Sparrow, 7; Common Redpoll, 17; Pine Siskin, 10; Am. Goldfinch, 37; Slate-colored Junco, 4; Am. Tree Sparrow, 8. **Total,** 21 species; 209 individuals.—Robert Nordgren, Don Waite, Arthur C. Wangaard, Harold E. Johnson, Mary Lupient, John Erickson, Bill Parrish, Jim Thompson, Wally Jiracek, Martin Sandel, W. J. Breckenridge, Emmett Hermanson, Mrs. Albert Corniea, Theodora Melone, Jessie Richardson, James Lundgren, Carl R. Nelson, Jr., Colleen H. Nelson (compiler) (Minnesota Bird Club).

348. **Excelsior, Minn.** (7½-mile radius centering 1 mile southeast of Chanhassen, including areas about Gray's Bay of Lake Minnetonka, Glen Lake, Minnesota River bottom, Christmas Lake; pasture and open fields 40%, deciduous woodland and planted evergreens 30%, open water 10%, river, ravines and frozen marshland 20%).—Dec. 26; 9 a.m. to 3:30 p.m. Cloudy; temp. 22° to 25°; wind, NNE, 6-12 m.p.h.; light covering of old snow, Christmas Lake open for first time in many years, more open spots in Minnesota River than usual. Sixteen observers in 7 parties. Total party-hours, 27 (7 on foot, 20 by car); total party-miles, 253 (7 on foot, 246 by car). Mallard, 126; Black Duck, 32; Canvas-back, 1; Am. Golden-eye, 4; Buffle-head, 1; Red-tailed Hawk, 3; Rough-legged Hawk, 2; Ring-necked Pheasant, 16; Am. Coot, 10; Mourning Dove, 2; Horned Owl, 1; Barred Owl, 2; Pileated Woodpecker, 3; Red-bellied Woodpecker, 4; Hairy Woodpecker, 13; Downy Woodpecker, 34; Horned Lark, 1; Blue Jay, 102; Am. Crow, 15; Black-capped Chickadee, 126; Tufted Titmouse, 1; White-breasted Nuthatch, 78; Red-breasted Nuthatch, 1; Brown Creeper, 7; Golden-crowned Kinglet, 12; Gray Shrike, 3; Common Starling, 76; House Sparrow, 1428; Western Meadowlark, 2; Brown-headed Cowbird, 3; Cardinal, 21; Purple Finch, 54; Am. Goldfinch, 104; Slate-colored Junco, 155; Am. Tree Sparrow, 146. **Total,** 35 species; about 2589 individuals. (Seen in area Dec. 25: Belted Kingfisher; Dec. 29: White-winged Crossbill.)—Mr. and Mrs. Lester R. Badger, Charlotte A. Du Bois (compiler), Mr. and Mrs. M. E. Herz, Michael Herz, Mr. and Mrs. David G. Jones, Helen Kraft, Colleen Helgeson Nelson, Dr. and Mrs. Kenneth A. Phelps, Horace G. Scott, Mr. and Mrs. Philip D. Tryon, James Wilkie.

349. **Grand Marais, Minn.** (7½-mile radius as described last year).—Dec. 28; 8 a.m. to 7:30 p.m. Clear; temp. 3° to 20°; wind E to SE, 5-8 m.p.h.; little snow along coast, up to 2 feet on Gunflint Trail, Lake Superior open. Seven observers in 1 party. Total party-hours, 9 (2 on foot, 7 by car); total party-miles, 62 (4 on foot, 58 by car). Lesser Scaup, 1; Am. Golden-eye, 50; Ruffed Grouse, 1; Herring Gull, 500+; Hairy Woodpecker, 6; Downy Woodpecker, 4; Gray Jay, 4; Blue Jay, 2; Common Raven, 6; Am. Crow, 1; Black-capped Chickadee, 6; Red-breasted Nuthatch, 12; Bohemian Waxwing, 3; Cedar Waxwing, 4; Gray Shrike, 2; Common Starling, 12; Evening Grosbeak, 24; Purple Finch, 15; Pine Grosbeak, 50+; Common Redpoll, 18; White-winged Crossbill, 20. **Total,** 21 species; about 741 individuals. (Seen in area Dec. 29: Bald Eagle.)—Bob Bruzek, Robert Hanlon (compiler), Gary Hofmaster, Bill Luwe, Dick Mata, George Palmer, Orwin Rustad.

350. **Minneapolis (north), Minn.** (7½-mile radius from Camden Park to Anoka, both sides of Mississippi River; open farmland 55%, town suburbs 25%, deciduous farm woodlots 15%, deciduous river banks and valleys 2%, marshes and sloughs 2%, sand dunes 1%).—Jan. 2; 8 a.m. to 4:30 p.m. Cloudy; temp. 11° to 25°; wind SW, 3 m.p.h.; 4-in. snow, practically all creeks with open water, Mississippi River open in spots below Coon Creek Dam. Eighteen observers in 7 parties. Total party-hours, 30½ (13 on foot, 17½ by car); total party-miles, 306 (27 on foot, 279 by car). Mallard, 49; Black Duck, 6; Am. Golden-eye, 169; Sparrow Hawk, 1; Ring-necked Pheasant, 108; Barred Owl, 1; Pileated Woodpecker, 1; Red-headed Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 20; Blue Jay, 167; Am. Crow, 72; Black-capped Chickadee, 136; White-breasted Nuthatch, 34; Brown Creeper, 4; Common Starling, 90; House Sparrow, 550; Cardinal, 6; Purple Finch, 1; Pine Grosbeak, 4; Common Redpoll, 80; Am. Goldfinch, 372; Slate-colored Junco, 190; Am. Tree Sparrow, 419. **Total,** 24 species; about 2485 individuals. —Lewis Barrett, Del Cahoon, Amy Chambers, John Futcher, Mr. and Mrs. Edward Harms, Severena Holmberg, Elizabeth Jerabek, Henry Jerabek, O. V. Johnson, Peter Johnson, Mr. and Mrs. Boyd M. Lien (compiler), John Pavek, John Pratt, Charles F. Wright, K. C. Wright, G. P. Wright (Minneapolis Bird Club).

351. **Minneapolis (west), Minn.** (7½-mile radius centering on Minneapolis Golf Course, extending to junction of Highways 55 and 101, Robbinsdale, Edina, Hopkins, including Theodore Wirth Park and Roberts Bird Sanctuary; town suburbs 45%, open farmland 25%, deciduous woodlots 17%, lakes, marshes, and creeks 8%, city park and golf course 5%).—Dec. 26; 8 a.m. to 4:30 p.m. Sunny with scattered clouds; temp. 21° to 25°; wind NNE, 11 m.p.h.; 2-in. snow, 1/5 of Lake Harriet and ⅛ of Lake Calhoun open, parts of Minnehaha and Bassett's Creek open. Ten observers in 5 parties. Total party-hours, 36½ (13½ on foot, 23 by car); total party-miles, 317 (17 on foot, 300 by car). Common Loon, 3; Whistling Swan, 1 [no details—Ed.]; Mallard, 336; Black Duck, 3; Lesser Scaup, 3; Am. Golden-eye, 6; Am. Merganser, 9; Goshawk, 1; Rough-legged Hawk, 1; Ring-necked Pheasant, 164; Am. Coot, 8; Ring-billed Gull, 5; Barred Owl, 2; Long-eared Owl, 2; Belted Kingfisher, 2; Pileated Woodpecker, 2;

Hairy Woodpecker, 7; Downy Woodpecker, 26; Blue Jay, 143; Am. Crow, 32; Black-capped Chickadee, 157; Tufted Titmouse, 1; White-breasted Nuthatch, 47; Red-breasted Nuthatch, 5; Brown Creeper, 2; Golden-crowned Kinglet, 9; Gray Shrike, 2; Common Starling, 59; House Sparrow, 1082; Red-winged Blackbird, 2; Cardinal, 18; Purple Finch, 90; Pine Grosbeak, 1; Common Redpoll, 14; Am. Goldfinch, 158; Slate-colored Junco, 142; Am. Tree Sparrow, 547; Song Sparrow, 1. **Total,** 38 species; about 3093 individuals.—Jeremy Berman, Richard Duxbury, G. Fisher, John Futcher (compiler), Ray Glassel, Burton S. Guttman, Elizabeth Jerabek, Mr. and Mrs. H. S. Jerabek, W. Nelson (Avifaunal Club).

352. Northfield, Minn. (area same as last year). —Dec. 26; 7:30 a.m. to 2:30 p.m. [quitting too early—Ed.]. Partly cloudy; temp. 23° to 25°; wind NE, 5 m.p.h.; 2-4-in. crusted snow, Cannon River open, lakes frozen. Three observers in 1 party. Total party-hours, 7 (3 on foot, 4 by car); total party-miles, 40 (10 on foot, 30 by car). Red-shouldered Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 4; Mourning Dove, 9; Horned Owl, 1; Barred Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 5; Hairy Woodpecker, 1; Downy Woodpecker, 3; Blue Jay, 10; Am. Crow, 20; Black-capped Chickadee, 30; White-breasted Nuthatch, 10; Brown Creeper, 1; Common Starling, 50+; House Sparrow, 100+; meadowlark (sp.), 5; Cardinal, 2; Purple Finch, 6; Pine Grosbeak, 2; Am. Goldfinch, 10; Slate-colored Junco, 12; Am. Tree Sparrow, 6. **Total,** 25 species; about 293 individuals.—Robert Hanlon, George Palmer, Orwin A. Rustad (compiler).

353. St. Paul (north), Minn. (same as last year; pine forest 30%, Tamarack 5%, spruce, cedar and mixed thickets 5%, open fields 20%, deciduous woodland 15%, grassy, bushy and weedy swamps 15%, farm woodlots 10%).—Dec. 27; 7:30 a.m. to 4:45 p.m. Partly cloudy; temp. 10° to 18°; wind NE, 10-12 m.p.h.; 5-in. snow in woods, all lakes icebound, canals open. Seventeen observers in 4-5 parties. Total party-hours, 42 (20 on foot, 22 by car); total party-miles, 98 (25 on foot, 73 by car). Mallard, 9; Black Duck, 1; Am. Golden-eye, 14; Goshawk, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 3; Ruffed Grouse, 3; Ring-necked Pheasant, 35; Wilson's Snipe, 1; Screech Owl, 1; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 2; Pileated Woodpecker, 2; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 2; Hairy Woodpecker, 14; Downy Woodpecker, 19; Blue Jay, 70; Am. Crow, 87; Black-capped Chickadee, 110; Tufted Titmouse, 2; White-breasted Nuthatch, 18; Red-breasted Nuthatch, 27; Brown Creeper, 2; Am. Robin, 2; Golden-crowned Kinglet, 15; Cedar Waxwing, 9; Gray Shrike, 1; Common Starling, 196; House Sparrow, 30; Cardinal, 25; Purple Finch, 66; Pine Grosbeak, 30; Common Redpoll, 10; Am. Goldfinch, 326; Red Crossbill, 4; Slate-colored Junco, 245; **Oregon Junco,** 1 (carefully studied in good light—A.C.R., F.K.); Am. Tree Sparrow, 315. **Total,** 40 species; about 1709 individuals.—Roberta Beutel, Patrick Boland, Bill Brown, Jerry Collins, Oscar Enstrom, Brother Eustace, John Hall, Tom Huntley, Frank Kelly, Caroline Larson, Consoline Mangine, Larry McEvoy, David Merry, Mrs. W. Olin, Kermit Piper, Brother Pius, A. C. Rosenwinkel (compiler) (St. Paul Audubon Society).

354. St. Paul (south), Minn. (7½-mile radius from Mississippi River at Armour Plant, including Pigs Eye Is., sewage disposal area, fish hatchery, Ft. Snelling, Isaac Walton Bass Ponds, Meadow Lake).—Jan. 2; 9 a.m. to 4 p.m. Cloudy; temp. 11° to 25°; wind E to SE, 5-17 m.p.h.; 5-in. snow in woods, river and streams open, ponds frozen. Eleven observers in 4 parties. Total party-hours, 23 (19 on foot, 4 by car); total party-miles, 147 (27 on foot, 120 by car). Am. Golden-eye, 114; Goshawk, 1; Red-tailed Hawk, 1; Ring-necked Pheasant, 11; Wilson's Snipe, 1; Barred Owl, 1; Great Gray Owl, 1 [no details—Ed.]; Saw-whet Owl, 1; Pileated Woodpecker, 1; Red-headed Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 22; Blue Jay, 15; Am. Crow, 6; Black-capped Chickadee, 54; White-breasted Nuthatch, 10; Brown Creeper, 2; Am. Robin, 1; Golden-crowned Kinglet, 2; Common Starling, 34; House Sparrow, 200; Brewer's Blackbird, 3; Purple Grackle, 6; Cardinal, 13; Purple Finch, 7; Am. Goldfinch, 7; Slate-colored Junco, 50; Am. Tree Sparrow, 200. **Total,** 28 species; about 767 individuals. (Seen in same area Jan. 5: Song Sparrow, 5.)—Mrs. Marjorie Allie, Herman Brown, William Cummings, Katherine Jansen, Caroline Larson (compiler), Kermit Piper, Richard Ryan, Medora Sanford, Robert Walsh, Mrs. Robert Walsh, Vernon Whipple (St. Paul Audubon Society).

355. Walker, Minn. (same area as last year with addition of Becker's Hilltop Sanctuary and Ten Mile Lake).—Dec. 26; 8 a.m. to 4 p.m. Cloudy; temp. 5° to 12°; wind N, 5 m.p.h.; 3-in. snow, lakes frozen except part of Ten Mile Lake. Four observers in 2 parties. Total party-hours, 16 (10 on foot, 6 by car); total party-miles, 45 (5 on foot, 40 by car). Mallard, 1; Am. Golden-eye, 25; Am. Merganser, 1; Bald Eagle, 1; Ruffed Grouse, 7; Pileated Woodpecker, 2; Hairy Woodpecker, 11; Downy Woodpecker, 9; Blue Jay, 9; Black-capped Chickadee, 43; Brown-capped Chickadee, 1; White-breasted Nuthatch, 19; Red-breasted Nuthatch, 10; Brown Creeper, 3; Golden-crowned Kinglet, 4; Bohemian Waxwing, 28; Gray Shrike, 2; Common Starling, 28; Myrtle Warbler, 1; House Sparrow, 84; Evening Grosbeak, 278; Pine Grosbeak, 28; Common Redpoll, 57; White-winged Crossbill, 11; Slate-colored Junco, 1; Snow Bunting, 21. **Total,** 26 species; about 685 individuals. (Myrtle Warbler seen several times between Dec. 15 and Jan. 10.)—Mr. and Mrs. Paul Becker, Harold R. Hanson (compiler), Stanton Oman.

356. Cedar Falls, Iowa (Snag Creek, Union Bridge, Josh Higgins Park and fields to north; river-bottom forest 50%, savannahs 25%, fields 25%).—Dec. 28; 8 a.m. to 4 p.m. Clear; temp. 20° to 29°;

no wind; ponds frozen, rivers half open, 4-in. old snow. Eight observers, 5 in 1 field-party, 3 watching feeding stations. Total party-hours, 8 (6 on foot, 2 by car); total party-miles, 52 (10 on foot, 42 by car). Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Ring-necked Pheasant, 13; Mourning Dove, 28; Horned Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 7; Hairy Woodpecker, 9; Downy Woodpecker, 28; Blue Jay, 19; Am. Crow, 52; Black-capped Chickadee, 74; Tufted Titmouse, 21; White-breasted Nuthatch, 24; Red-breasted Nuthatch, 2; Brown Creeper, 6; Common Starling, 340; House Sparrow, 129; Eastern Meadowlark, 4; Cardinal, 45; Purple Finch, 1; Am. Goldfinch, 2; Slate-colored Junco, 132; Am. Tree Sparrow, 79; Song Sparrow, 2. **Total,** 26 species; about 1030 individuals.—Martin L. Grant (compiler), Frances Crouter, Russell Hays, Ruth Mahon, Jean Martin, Eleanor O'Connell, Elizabeth Reninger, Beulah Rugg (Cedar Falls Audubon Society).

357. **Davenport, Iowa** (7½-mile radius centering on Memorial Bridge, including the same areas as last year plus Nahant marshes, Sunset Park, Blackhawk State Park, Dead Slough; deciduous woodland 35%, open farmland 30%, river shore 25%, coniferous woodland 5%, urban 5%).—Dec. 26; 6 a.m. to 5:30 p.m. Overcast with showers and drizzle; temp. 41° to 44°; wind E to SE, 5-6 m.p.h.; ground bare, river 95% open. Thirty-four observers in 13 parties. Total party-hours, 88 (54 on foot, 28 by car, 6 miscellaneous); total party-miles, 355 (60 on foot, 295 by car). Great Blue Heron, 1; Mallard, 39; Black Duck, 1; Green-winged Teal, 1; Ring-necked Duck, 11; Canvas-back, 1; Lesser Scaup, 40; Am. Golden-eye, 675; Hooded Merganser, 4; Am. Merganser, 117; Red-breasted Merganser, 2; Cooper's Hawk, 1; Red-tailed Hawk, 13 (1 Krider's); Red-shouldered Hawk, 6; Rough-legged Hawk, 1; Bald Eagle, 5; Marsh Hawk, 2; Sparrow Hawk, 7; Bob-white, 73; Ring-necked Pheasant, 37; Killdeer, 4; Herring Gull, 480; Ring-billed Gull, 153; Mourning Dove, 38; Screech Owl, 5; Horned Owl, 2; **Snowy Owl,** 1 (E.F.); Barred Owl, 5; Long-eared Owl, 4; Belted Kingfisher, 7; Yellow-shafted Flicker, 18; Red-bellied Woodpecker, 25; Red-headed Woodpecker, 27; Hairy Woodpecker, 34; Downy Woodpecker, 91; Horned Lark, 57; Blue Jay, 96; Am. Crow, 174; Black-capped Chickadee, 197; Tufted Titmouse, 57; White-breasted Nuthatch, 88; Red-breasted Nuthatch, 7; Brown Creeper, 21; Winter Wren, 1; Carolina Wren, 3; Am. Robin, 3; Golden-crowned Kinglet, 18; **Ruby-crowned Kinglet,** 1 (R.S.); Common Starling, 2259; House Sparrow, 1553; Red-winged Blackbird, 1012; **Rusty Blackbird,** 2 (R.S.); Purple Grackle, 516; **Brown-headed Cowbird,** 3 (E.F.); Cardinal, 154; Purple Finch, 30; Am. Goldfinch, 113; Slate-colored Junco, 697; **Oregon Junco,** 1 (D.S.); Am. Tree Sparrow, 1493; **White-throated Sparrow,** 1 (R.S.); Song Sparrow, 161. **Total,** 62 species (1 additional subspecies); about 10,649 individuals. (Reported with careful details but not included due to extreme rarity: Barrow's Golden-eye, 3; Gyrfalcon, 1.)—Lang Baily, Dick Carlson, Dale Dickenson, Leo Doering, Clark Ehlers, David Fawkes, Elton Fawkes, Mrs. Floyd Gold, Ivan Graham, Jeannette Graham, Norwood Hazard, Dave Johnson, Frances Johnson, Marion Johnson, Orville Johnson, Don Johnston, J. P. Leonard, Ed Leswig, Jim Lewis, Jerry McConoughey, Edwin Meyer, Lowell Miller, Peter Petersen, Jr. (compiler), Mr. and Mrs. Pete Peterson, Mr. and Mrs. Don Price, Joe Richert, Dennis Sheets, Betty Swain, Ron Swensson, John Swisher, Richard Utke, Willie Wulf (Tri-City Bird Club).

358. **Des Moines, Iowa** (same area as last year).—Jan. 2; 7:30 a.m. to 6 p.m. Mostly cloudy; temp. 21° to 40°; wind SE, 17 m.p.h.; light snow on ground. Twenty-three observers in 5 parties. Total party-hours, 52½ (27 on foot, 14½ by car; 11 = ?—Ed.); total party-miles, 113½ (23 on foot, 90½ by car). Am. Bittern, 1; Mallard, 6000; Black Duck, 10; Pintail, 4; Green-winged Teal, 3; Redhead, 2; Canvas-back, 1; Lesser Scaup, 2; Am. Merganser, 8; Red-tailed Hawk, 9; Red-shouldered Hawk, 5; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 7; Bob-white, 12; Am. Coot, 4; Wilson's Snipe, 1; Mourning Dove, 4; Horned Owl, 3; Barred Owl, 3; Short-eared Owl, 3; Belted Kingfisher, 6; Yellow-shafted Flicker, 19; Red-bellied Woodpecker, 30; Red-headed Woodpecker, 2; Hairy Woodpecker, 15; Downy Woodpecker, 95; Horned Lark, 8; Blue Jay, 52; Am. Crow, 77; Black-capped Chickadee, 267; Tufted Titmouse, 51; White-breasted Nuthatch, 68; Red-breasted Nuthatch, 2; Brown Creeper, 2; Winter Wren, 3; Carolina Wren, 2; **Long-billed Marsh Wren,** 1 (carefully identified); Brown Thrasher, 2; Am. Robin, 6; Golden-crowned Kinglet, 23; Ruby-crowned Kinglet, 1; Cedar Waxwing, 24; Gray Shrike, 1; Common Starling, 2240+; House Sparrow, 1165+; meadowlark (sp.), 50; Red-winged Blackbird, 40; Cardinal, 206; Purple Finch, 18; Common Redpoll, 28; Am. Goldfinch, 131; Eastern Towhee, 1; Slate-colored Junco, 616; Am. Tree Sparrow, 557; Harris's Sparrow, 8; White-throated Sparrow, 1; **Swamp Sparrow,** 2; Song Sparrow, 29. **Total,** 60 species; about 11,935 individuals. (Dec. 26: Am. Golden-eye, Buffle-head, Red-breasted Merganser, Ruddy Duck, White-crowned Sparrow; Dec. 31: Catbird.)—Dorothy Anderson, Albert C. Berkowitz, Joseph K. Brown, Mary Brown, Woodward H. Brown, Ruth Chapman, Ruth Dallinger, Oliver Graves, Dick Hanson, Mr. and Mrs. Lester Haskell, Gary Kline, John Kline, Olivia McCabe, Gladys S. Nicholson, Dr. and Mrs. Harold Peasley, Mary Elizabeth Peck, Mrs. Tom Pettit, Irene M. Smith, Bruce F. Stiles, Toni Wendelburg, Lynn Willcockson (Des Moines Audubon Society).

359. **Dubuque, Iowa** (Linwood and Mt. Calvary Cemeteries, Eagle Point Park, City Island, Mississippi River sloughs in Wisconsin; open fields 10%, coniferous woodlands 15%, deciduous woodlands 40%, river sloughs 35%).—Dec. 26; 7:30 a.m. to 2:30 p.m. Continuous rain and some fog; temp. 34° to 39°; wind N to E, 4-10 m.p.h.; old snow in patches and protected areas, river open below dam and 20 acres above dam. Sixteen observers in 1 party. Total party-

hours, 7 (6 on foot, 1 by car); total party-miles, 13 (7 on foot, 6 by car). Great Blue Heron, 1; Red-tailed Hawk, 2; Bald Eagle, 1; Herring Gull, 3; Barred Owl, 2; Long-eared Owl, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 6; Hairy Woodpecker, 1; Downy Woodpecker, 4; Blue Jay, 16; Am. Crow, 13; Black-capped Chickadee, 15; Tufted Titmouse, 4; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 6; Winter Wren, 1; Golden-crowned Kinglet, 3; Cedar Waxwing, 1; Common Starling, 4; House Sparrow, 31; Cardinal, 11; **Pine Grosbeak,** 15; Am. Goldfinch, 1; Slate-colored Junco, 46; Am. Tree Sparrow, 29. **Total,** 28 species; 226 individuals. (Dec. 25: Yellow-shafted Flicker, 2.)—Clifford O. Johnson, Robert Johnson, Janet Birch, June Launspach, Merrill and Mildred Pregler, Ival Schuster, Howard Hintz, George Crossley (compiler), Frieda Crossley, Jack Bennett, Dale Wagner, Carol Mann, Fred Dalzell, Duane Schofield, Lyle Davis.

360. Harpers Ferry, Iowa (same area as last year; deciduous timber 40%, coniferous timber 5%, bottomlands with weeds and brush 25%, open fields 30%).—Dec. 26; 7 a.m. to 3 p.m. Dark overcast; temp. 30° to 38°; wind SSE to NE, 1-5 m.p.h.; ground covered with 2-4-in. loose snow. Two observers together. Total hours, 8 (6 on foot, 2 by car); total miles, 38 (8 on foot, 30 by car). Mallard, 3; Am. Merganser, 13; Bald Eagle, 1; Ruffed Grouse, 1; Mourning Dove, 2; Barred Owl, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 7; Hairy Woodpecker, 1; Downy Woodpecker, 6; Blue Jay, 15; Am. Crow, 18; Black-capped Chickadee, 59; Tufted Titmouse, 1; White-breasted Nuthatch, 12; Common Starling, 6; House Sparrow, 85; Cardinal, 43; Slate-colored Junco, 93; Am. Tree Sparrow, 120. **Total,** 20 species; about 489 individuals.—A. J. Palas (compiler), F. R. Palas.

361. Iowa City, Iowa (same as previous years; open farmland 45%, deciduous woodland 45%, coniferous woodland 10%).—Dec. 29; 7 a.m. to 4 p.m., Cloudy, heavy snow beginning 2 p.m.; temp. 16° to 28°; wind NE to SE, 5-10 m.p.h.; 1-in. old snow until afternoon when 6-in. new snow fell in 4 hours; ponds frozen, river partly open. Eight observers in 2 parties. Total party-hours, 14 (8 on foot, 6 by car); total party-miles, 108 (8 on foot, 100 by car). Lesser Scaup, 1; Red-tailed Hawk, 16; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 5; Sparrow Hawk, 1; Ring-necked Pheasant, 6; Horned Owl, 1; Barred Owl, 1; Long-eared Owl, 6; Saw-whet Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 11; Downy Woodpecker, 33; Blue Jay, 38; Am. Crow, 98; Black-capped Chickadee, 46; Tufted Titmouse, 9; White-breasted Nuthatch, 19; Red-breasted Nuthatch, 2; Brown Creeper, 5; Am. Robin, 1; Eastern Bluebird, 1; Golden-crowned Kinglet, 2; Common Starling, 111; House Sparrow, 194; Red-winged Blackbird, 1; Cardinal, 67; Purple Finch, 2; Am. Goldfinch, 35; Slate-colored Junco, 112; Am. Tree Sparrow, 888; Swamp Sparrow, 1; Song Sparrow, 4. **Total,** 36 species; about 1737 individuals. (Dec. 25: Hermit Thrush; Dec. 31: Bohemian Waxwing.)—James Decker, Norwood Hazard, F. W. Kent, T. H. Kent (compiler), Dr. and Mrs. P. P. Laude, Alice Michener, Peter Peterson.

362. Mount Vernon, Iowa (same area as last year).—Dec. 29; 7:45 a.m. to 3:45 p.m. Partly cloudy; temp. 22° at 7:45 a.m.; wind NE, 12 m.p.h.; light snow on ground, main channel of Cedar River open; day ended with heavy snowfall. Three observers in 1 party. Total party-hours, 7½ (6 on foot, 1½ by car); total party-miles 46 (8 on foot, 38 by car). Red-tailed Hawk, 2; Rough-legged Hawk, 1; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 1; Downy Woodpecker, 6; Blue Jay, 6; Am. Crow, 10; Black-capped Chickadee, 8; Tufted Titmouse, 1; White-breasted Nuthatch, 2; Brown Creeper, 2; Winter Wren, 1; Common Starling, 1; House Sparrow, 13; Cardinal, 11; Am. Goldfinch, 7; Slate-colored Junco, 53; Am. Tree Sparrow, 56. **Total,** 18 species; 182 individuals. (Seen in area Dec. 31: Mallard, 75; Ring-necked Pheasant, 9; meadowlark (sp), 1; White-throated Sparrow,1.)—J. Harold Ennis (compiler), J. David Ennis, Richard Miner.

363. Sioux City, Iowa (7½-mile radius centering on 6th and Douglas Sts., including Brown's Lake, Graceland and Logan Park Cemeteries, Riverside Park, Sioux River Road; hilly woodland and park area 40%, wooded stream 15%, coniferous cemetery 10%, open field and marsh 25%, city and suburban 10%).—Dec. 26; 8 a.m. to 5 p.m. Cloudy to partly cloudy; temp. 25° to 40°; wind N to NW, 2-8 m.p.h.; ground bare, some open water in larger lakes, rivers open. Twenty observers in 9 parties. Total party-hours, 40 (30 on foot, 10 by car); total party-miles, 245 (20 on foot, 225 by car). Mallard, 63; Sharp-shinned Hawk, 1; Red-tailed Hawk, 5; Marsh Hawk, 3; Sparrow Hawk, 1; Ring-necked Pheasant, 3; Horned Owl, 2; Yellow-shafted Flicker, 16; Red-bellied Woodpecker, 5; Hairy Woodpecker, 40; Downy Woodpecker, 88; Horned Lark, 1; Blue Jay, 24; Am. Crow, 689; Black-capped Chickadee, 189; White-breasted Nuthatch, 37; Red-breasted Nuthatch, 5; Brown Creeper, 13; Am. Robin, 3; Eastern Bluebird, 3; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 2; Common Starling, 166; House Sparrow, 965; Western Meadowlark, 1; Red-winged Blackbird, 175; Cardinal, 35; Purple Finch, 1; Pine Siskin, 30; Am. Goldfinch, 51; Slate-colored Junco, 230; Am. Tree Sparrow, 313; Harris's Sparrow, 5. **Total,** 33 species; about 3166 individuals.—Mr. and Mrs. W. W. Barrett, Eunice Barrett, Karl Kuhlman, Gertrude Weaver, L. J. Nickolson, Raws Jensen, Mr. and Mrs. A. H. Schatz, Allan Schatz, Mr. and Mrs. Jean Laffoon, Carl Wellhausen, Albert Moir, Mr. and Mrs. E. A. Emery, William Felton, Jr., Jeanette Marsh, Mrs. George Marsh, George Marsh (compiler).

364. Tripoli, Iowa (Sweet Marsh Refuge, Wapsipinicon River from Fredericka to Black Hawk-Bremer County line; woodland 75%, farm land 25%).—Dec. 31; 7:30 a.m. to 4:30 p.m. Heavy fog until 10 a.m., then clear; temp. 15° to 29°; wind SW,

10 m.p.h.; 2-4-in. snow, parts of creek and river frozen. Six observers in 1 party. Total party-hours, 8 (5 on foot, 3 by car); total party-miles, 80½ (8½ on foot, 72 by car). Mallard, 45; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Ring-necked Pheasant, 18; Horned Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 5; Pileated Woodpecker, 1; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 5; Hairy Woodpecker, 10; Downy Woodpecker, 32; Blue Jay, 19; Am. Crow, 103; Black-capped Chickadee, 35; Tufted Titmouse, 2; White-breasted Nuthatch, 25; Brown Creeper, 2; Winter Wren, 1; Common Starling, 87; House Sparrow, 106; Eastern Meadowlark, 8; Cardinal, 17; Am. Goldfinch, 58; Slate-colored Junco, 59; Am. Tree Sparrow, 424; Song Sparrow, 4. **Total,** 28 species; about 1084 individuals. (Jan. 2: Red-breasted Nuthatch.)—Martin L. Grant, Russel Hays, Howard Kimpston, Richard Phillips, Ida Mae Wade, Myrtle M. Burk (compiler) (Waterloo Audubon Society).

365. Webster City, Iowa (7-mile radius centering on Des Moines and 2nd Sts., including Graceland Cemetery, Kendall Young Park, Brigg's Woods, areas along Boone River; deciduous woodland 65%, open farmland and fields 30%, mixed coniferous and deciduous cemetery area 5%).—Dec. 27; 7:45 a.m. to 4:45 p.m. Snow falling all day; temp. 26° to 35°; wind N to NE, 10-20 m.p.h.; ground bare except for ½-in. snow accumulated during day, Boone River and streams 75% open. Two observers in 1 party. Total party-hours, 9 (7½ on foot, 1½ by car); total party-miles, 36 (12 on foot, 24 by car). Red-tailed Hawk, 1; Ring-necked Pheasant, 1; Mourning Dove, 1; Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 10; Hairy Woodpecker, 3; Downy Woodpecker, 17; Blue Jay, 8; Am. Crow, 10; Black-capped Chickadee, 48; Tufted Titmouse, 1; White-breasted Nuthatch, 20; Brown Creeper, 1; Winter Wren, 1; Common Starling, 20; House Sparrow, 69; Cardinal, 28; Am. Goldfinch, 7; Slate-colored Junco, 15; Am. Tree Sparrow, 151; Harris's Sparrow, 2; White-throated Sparrow, 1; Song Sparrow, 6. **Total,** 25 species; about 426 individuals. (Seen in area Dec. 26: Am. Robin, 2; Dec. 29: Brown Thrasher, 1; Dec. 31: Purple Finch 8.)—Dennis L. Carter(compiler), Heber P. Johnson, Jr.

366. Kansas City, Mo. and Kansas (7½-mile radius centering in Argentine, including Quivira Lake, Wyandotte County Lake, North Terrace Park, northwest end of Swope Park; open fields 20%, deciduous wooded lakes 50%, deciduous woodland park 30%).—Dec. 26; 7 a.m. to 4:30 p.m. Cloudy, occasional light rain; temp. 56° to 63°; wind SE to SW, 6-12 m.p.h.; lakes, streams generally unfrozen. Twenty-five observers in 15 parties. Total party-hours, 34½ (26½ on foot, 8 by car); total party-miles, 59 (25 on foot, 34 by car). Common Loon, 1; Pied-billed Grebe, 1; Mallard, 4173; Gadwall, 13; Am. Widgeon, 24; Redhead, 2; Lesser Scaup, 2; Am. Golden-eye, 11; Buffle-head, 3; Am. Merganser, 1026; Red-tailed Hawk, 9; Marsh Hawk, 1; Sparrow Hawk, 4; Bob-white, 27; Am. Coot, 8; Killdeer, 3; Ring-billed Gull, 1; **Mourning Dove,** 35 (G.J., F.S.); Screech Owl, 2; Horned Owl, 2; Belted Kingfisher, 9; Yellow-shafted Flicker, 69; Red-bellied Woodpecker, 31; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 51; Horned Lark, 100; Blue Jay, 58; Am. Crow, 72; Black-capped Chickadee, 100; Tufted Titmouse, 94; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 2; Brown Creeper, 4; Carolina Wren, 45; Am. Robin, 176; Eastern Bluebird, 29; Golden-crowned Kinglet, 12; **Cedar Waxwing,** 395; Loggerhead Shrike, 1; Common Starling, 107; House Sparrow, 142; Eastern Meadowlark, 18; Red-winged Blackbird, 650; Cardinal, 135; Purple Finch, 10; Pine Siskin, 2; Am. Goldfinch, 154; Eastern Towhee, 1; Spotted Towhee, 10; Slate-colored Junco, 1267; Oregon Junco, 5; Am. Tree Sparrow, 395; Field Sparrow, 2; Harris's Sparrow, 15; White-throated Sparrow, 8; Song Sparrow, 357; **Lapland Longspur,** 2000 (H.H., J.L.). **Total,** 59 species; about 11,892 individuals. (Seen in area Dec. 27: Eastern Phoebe, 1; Western Meadowlark, 8; Purple Grackle, 2; White-crowned Sparrow, 6; Fox Sparrow, 8; Lincoln's Sparrow, 1; Jan. 2: Black Duck, 2; Pintail, 10; Green-winged Teal, 1; Hooded Merganser, 2.)—Mr. and Mrs. John Bart, Mr. and Mrs. A. D. Cole, Lahrman Cole, Dick Dawson, Donald and Evelyn Hall, Rilla Hammat, Harold and David Hedges, Mabel James, Gary Johnson, James Lubkin (compiler), Raymond Miller, Mr. and Mrs. James Myers, Edith Osborne, Ronald Pine, Ted Pucci, Andy Randolph, Frank Stoerman, Bernice Tatum, Mr. and Mrs. H. R. Wahl (Burroughs Nature Club).

367. Ranken, Mo. (tract between Valley Park and Eureka, 6 miles long, 4 miles wide; deciduous woods on Ozark hillslopes 40%, open valleys bordering spring-fed creeks and Meramec River 40%, Red Cedar groves 8%, farmland 10%, water 2%.)—Dec. 26; 8 a.m. to 4 p.m. Clear; temp. 28° to 42°; wind SW to W, 0-8 m.p.h.; ground clear, thawing in late a.m., Meramec River open, creeks 20% open. Twelve observers in 5 parties. Total party-hours, 20 (all on foot); total party-miles, 17. Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Bob-white, 4; Horned Owl, 1; Yellow-shafted Flicker, 14; Pileated Woodpecker, 5; Red-bellied Woodpecker, 11; Hairy Woodpecker, 4; Downy Woodpecker, 18; Blue Jay, 37; Am. Crow, 35; Carolina Chickadee, 61; Tufted Titmouse, 39; White-breasted Nuthatch, 7; Brown Creeper, 1; Winter Wren, 3; Bewick's Wren, 1; Carolina Wren, 18; Mockingbird, 3; Am. Robin, 104; Eastern Bluebird, 10; Golden-crowned Kinglet, 1; Cedar Waxwing, 18; Common Starling, 114; Myrtle Warbler, 6; House Sparrow, 106; Cardinal, 109; Purple Finch, 24; Am. Goldfinch, 8; Slate-colored Junco, 535; Am. Tree Sparrow, 54; Field Sparrow, 18; Fox Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 7. **Total,** 36 species; about 1384 individuals.—S. Alfend, J. E. Comfort, J. F. Comfort, W. S. Emerson, E. H. Hath, S. Haven, R. L. Hill, J. Jackson, E. Johnson, J. M. Magner, J. M. Magner, Jr., J. Massie.

368. Trimble Wildlife Area, Trimble, Mo. (along main levee of 170-acre lake, adjacent marshes and farmland; lakeshore 60%, marshes 15%, deciduous woodland 10%, open fields 5%, weedy roadsides 10%).—Jan. 1; 8:30 a.m. to 4:30 p.m. Clear; temp. 30° to 50°; wind SW, 5-10 m.p.h.; ground clear, water areas 95% frozen. Four observers in 1 party. Total party-hours, 8 (7 on foot, 1 by car); total party-miles, 3 (2 on foot, 1 by car). Canada Goose, 75; Mallard, 2500; Pintail, 4; Lesser Scaup, 6; Red-tailed Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 2; Killdeer, 4; Wilson's Snipe, 1; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 5; Horned Lark, 6; Blue Jay, 10; Am. Crow, 20; Black-capped Chickadee, 8; Tufted Titmouse, 4; Winter Wren, 2; Carolina Wren, 4; Eastern Bluebird, 2; Loggerhead Shrike, 2; Common Starling, 50; House Sparrow, 50; Eastern Meadowlark, 4; Western Meadowlark, 2; Red-winged Blackbird, 150; Cardinal, 6; Am. Goldfinch, 30; Slate-colored Junco, 50; Am. Tree Sparrow, 1500; White-crowned Sparrow, 4; Fox Sparrow, 1; **Lincoln's Sparrow,** 6 (flock); Swamp Sparrow, 6; Song Sparrow, 200. **Total,** 36 species; about 4728 individuals. (Both species of meadowlarks singing.)—Donald W. Hall, Evelyn Hall, N. Irving Fay (compiler), Christine Fay.

369. Weldon Springs (St. Charles Co.), Mo. (August A. Busch Wildlife Management Area, same terrain as in previous years; this year area divided into 12 sections, each covered by one party).—Jan. 2; 8:30 a.m. to 4:45 p.m. Clear to partly cloudy; temp. 39° to 56°; wind S to W, 0-12 m.p.h.; no snow on ground, water in ponds considerably lower than normal, thin marginal ice in morning. Twenty-six observers in 12 parties. Total party-hours, 64½ (58½ on foot, 6 by car); total party-miles, 98 (56 on foot, 42 by car). Canada Goose, 82 (1 Lesser); Redhead, 1; Lesser Scaup, 1; Am. Golden-eye, 1; Cooper's Hawk, 1; Red-tailed Hawk, 15; Red-shouldered Hawk, 2; Bald Eagle, 1; Marsh Hawk, 7; Sparrow Hawk, 2; Bob-white, 51; Ring-necked Pheasant, 2; Killdeer, 1; Mourning Dove, 104; Screech Owl, 1; Horned Owl, 1; Barred Owl, 4; Belted Kingfisher, 6; **Yellow-shafted Flicker,** 149; Pileated Woodpecker, 10; **Red-bellied Woodpecker,** 98; Red-headed Woodpecker, 11; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 13; Downy Woodpecker, 98; Horned Lark, 42; Blue Jay, 186; Am. Crow, 158; Black-capped Chickadee, 90; Carolina Chickadee, 16; **Tufted Titmouse,** 158; White-breasted Nuthatch, 69; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 71; Mockingbird, 43; Am. Robin, 204; Eastern Bluebird, 87; Golden-crowned Kinglet, 11; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 8; Common Starling, 353; Myrtle Warbler, 3; House Sparrow, 65; Eastern Meadowlark, 238; Red-winged Blackbird, 880; Rusty Blackbird, 9; Brown-headed Cowbird, 2; Cardinal, 291; Purple Finch, 144; Am. Goldfinch, 268; Eastern Towhee, 10; Savannah Sparrow, 11; **Leconte's Sparrow,** 44; **Slate-colored Junco,** 1904; Oregon Junco, 1; **Am. Tree Sparrow,** 5018; Field Sparrow, 19; Harris's Sparrow, 2; White-crowned Sparrow, 35 (1 Gambel's); White-throated Sparrow, 49; Fox Sparrow, 16; Lincoln's Sparrow, 1; Swamp Sparrow, 40; **Song Sparrow,** 534. **Total,** 65 species (2 additional subspecies); about 11,749 individuals.—Richard Anderson, Elisha Atkins, Jack Van Benthuysen, Alberta Bollinger, James Earl Comfort, James F. Comfort, Bruce Dowling, W. S. Emerson, Gary Giessow, John Gilland, Earl Hath, Stoner Haven (compiler), Mr. and Mrs. R. J. Hill, R. L. Hill, David M. Jones, Lance Jones, James P. Jackson, Marshall Magner, Jay Magner, Mr. and Mrs. Waldemar A. Palm, F. E. Springer, Sarah Springer, Mark Tuttle, Irene Weber (Webster Groves Nature Study Society).

370. El Dorado, Ark. (semi-circular area, 10-mile diameter parallel to and 2 miles east of U. S. 167, including Calion Lake, Calion, and Norphlet lake; pond and river edge 32%, open fields and pastures 28%, bottomland oak-pine woodland 21%, upland pine-oak woodland 19%).—Dec. 30; 6 a.m. to 5:45 p.m. Scattered to broken clouds; temp. 23° to 40°; wind S, 0-7 m.p.h.; ground wet from 2.2-in. rainfall. Five observers (1 party in car, otherwise 2-4 parties depending on area). Total party-hours, 23 (21 on foot, 2 by car); total party-miles, 52 (22 on foot, 30 by car). Pied-billed Grebe, 24; Double-crested Cormorant, 1; Great Blue Heron, 3; Mallard, 13; Wood Duck, 2; Ring-necked Duck, 2; Turkey Vulture, 14; Black Vulture, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 3; Bald Eagle, 1; Marsh Hawk, 1; Killdeer, 13; Mourning Dove, 51; Barred Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 33; Pileated Woodpecker, 1; Red-bellied Woodpecker, 15; Red-headed Woodpecker, 8; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 9; Eastern Phoebe, 3; Blue Jay, 30; Am. Crow, 33; Carolina Chickadee, 45; Tufted Titmouse, 23; Brown-headed Nuthatch, 2; Brown Creeper, 5; Winter Wren, 3; Bewick's Wren, 1; Carolina Wren, 10; Mockingbird, 12; Brown Thrasher, 7; Am. Robin, 57; Hermit Thrush, 11; Eastern Bluebird, 31; Golden-crowned Kinglet, 25; Ruby-crowned Kinglet, 13; Cedar Waxwing, 25; Loggerhead Shrike, 9; Common Starling, 11; Myrtle Warbler, 12; Pine Warbler, 6; House Sparrow, 35; Eastern Meadowlark, 29; Red-winged Blackbird, 103; Rusty Blackbird, 40; Purple Grackle, 8; Brown-headed Cowbird, 8; Cardinal, 81; Purple Finch, 2; Am. Goldfinch, 45; Eastern Towhee, 21; Savannah Sparrow, 2; Slate-colored Junco, 129; Field Sparrow, 13; White-throated Sparrow, 79; Fox Sparrow, 9; Lincoln's Sparrow, 1; Swamp Sparrow, 27; Song Sparrow, 33. **Total,** 63 species; about 1245 individuals.—Mrs. Hilery E. Hanna, Arnold J. Hoiberg (compiler), John A. Hoiberg, Dr. and Mrs. Douglas James.

371. Fort Smith, Ark. (6-mile radius centering on Roger's Ave. and 20th St., including same area as last year; upland deciduous woods 56%, bottomland fields and deciduous woods 15%, farm ponds and pastures 6%, plowed riverbottom fields and river bank 18%, town lots 5%).—Dec. 29; 8 a.m. to 5:30 p.m. Light snow until 11 a.m., then clearing; temp. 26° to 39°; wind WNW, 2-24 m.p.h.; snow melting later in day, most water open. Three observers in 1

party and 1 around her home. Total party-hours, 9½ (7½ on foot, 2 by car); total party-miles, 53 (8 on foot, 45 by car). Great Blue Heron, 3; Mallard, 195; Turkey Vulture, 4; Red-tailed Hawk, 1; Killdeer, 13; Am. Woodcock, 1; Mourning Dove, 17; Yellow-shafted Flicker, 11; Red-bellied Woodpecker, 4; Downy Woodpecker, 9; Horned Lark, 400; Blue Jay, 29; Am. Crow, 7; Carolina Chickadee, 16; Tufted Titmouse, 20; White-breasted Nuthatch, 1; Carolina Wren, 6; Mockingbird, 12; Brown Thrasher, 1; Am. Robin, 162; Eastern Bluebird, 10; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 1; **Sprague's Pipit,** 45; Cedar Waxwing, 39; Loggerhead Shrike, 2; Common Starling, 1155; Myrtle Warbler, 3; House Sparrow, 1114; Eastern Meadowlark, 29; Red-winged Blackbird, 450; Rusty Blackbird, 1; Purple Grackle, 1; Cardinal, 48; Purple Finch, 8; Am. Goldfinch, 27; Slate-colored Junco, 96; Am. Tree Sparrow, 2; Chipping Sparrow, 2; Field Sparrow, 3; Harris's Sparrow, 1; White-crowned Sparrow, 2; White-throated Sparrow, 39; Fox Sparrow, 6; Lincoln's Sparrow, 8; Song Sparrow, 12. **Total,** 46 species; about 4454 individuals.—Bill Beal (compiler), James Wear, Lyndal York, Ruth Armstrong.

372. **Little Rock, Ark.** (7½-mile radius centering just east of Fort Roots Hospital, including North Little Rock, Kellogg Acres, Sylvan Hills, Boyle Park, Riverdale Country Club, Allsopp Park; pasture and open field 12%, upland deciduous woods 33%, upland mixed deciduous and coniferous woods 40%, river and creek banks 4%, misc. 11%).—Jan. 1; 7:15 a.m. to 5 p.m. Cloudy to 9:30 a.m., then clear; temp. 54° to 65°; wind SSE to SSW, 8-18 m.p.h. Twenty-eight observers in 7 parties. Total party-hours, 139 (138 on foot, 1 by car); total party-miles, 130 (120 on foot, 10 by car). Pied-billed Grebe, 1; Mallard, 20; Turkey Vulture, 6; Black Vulture, 2; Cooper's Hawk, 3; Red-tailed Hawk, 2; Broad-winged Hawk, 2 [no details—Ed.]; Sparrow Hawk, 5; Bob-white, 15; Killdeer, 5; Mourning Dove, 10; Belted Kingfisher, 2; Yellow-shafted Flicker, 33; Pileated Woodpecker, 11; Red-bellied Woodpecker, 15; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 20; Eastern Phoebe, 2; Blue Jay, 19; Am. Crow, 15; Carolina Chickadee, 64; Tufted Titmouse, 60; White-breasted Nuthatch, 21; Red-breasted Nuthatch, 2; Brown-headed Nuthatch, 2; Brown Creeper, 3; Winter Wren, 2; Bewick's Wren, 1; Carolina Wren, 32; Mockingbird, 41; Brown Thrasher, 1; Am. Robin, 33; Hermit Thrush, 1; Eastern Bluebird, 35; Golden-crowned Kinglet, 17; Ruby-crowned Kinglet, 14; Cedar Waxwing, 52; Loggerhead Shrike, 13; Common Starling, 24; Myrtle Warbler, 7; Pine Warbler, 20; House Sparrow, 204; Eastern Meadowlark, 169; Purple Grackle, 27; Cardinal, 90; Purple Finch, 8; Pine Siskin, 28; Am. Goldfinch, 165; Eastern Towhee, 1; Slate-colored Junco, 176; Field Sparrow, 13; White-crowned Sparrow, 3; White-throated Sparrow, 193; Fox Sparrow, 6; Song Sparrow, 7. **Total,** 56 species; about 1728 individuals.—Mrs. Ruth Thomas, Mrs. Glen Hoke, Mrs. Ben D. Moore, Mr. and Mrs. Glenn Durham, Mrs. A. M. Patrick, Mr. and Mrs. Myron Northrop, Mrs. Guy S. Northrop, Mrs. R. T. Hickerson, Mrs. Nora Mangel, Mrs. A. C. Greathouse, Mr. and Mrs. Terrell Marshall, Mrs. John F. Rea, Dr. and Mrs. W. P. Scarlett, Mrs. J. P. Almaden, Mrs. C. Cliff Springer, William Shepherd, Mary Sue Shepherd, Rev. and Mrs. J. Hodge Alves, A. M. Davison, Mr. and Mrs. Harry Meek, Mr. and Mrs. H. H. Daniel (compiler) (Pulaski Heights Audubon Society).

373. **Lonoke, Ark.** (same as 1953 but adding hatchery eastward and special 12-mile loop NW in evening; deciduous woods 40%, highways, old fields and pastures 30%, rice field stubble 10%, goldfish ponds 5%, 267-acre fish hatchery with 3/5 ponds drained 15%).—Jan. 1; 6:45 a.m. to 5 p.m. Overcast, part broken p.m.; temp. 50° to 66°; wind light, except S, 15-25 m.p.h. late forenoon. Eight observers in 2 parties. Total party-hours, 30 (25 on foot, 5 by car); total party-miles, 85 (18 on foot, 67 by car). Pied-billed Grebe, 33; Great Blue Heron, 11; **Snow Goose,** 6 (A.S., B.C.S.); Mallard, 30; Gadwall, 136; Am. Widgeon, 905; Pintail, 45; Green-winged Teal, 5; Shoveller, 47; Wood Duck, 3; Redhead, 38; Ring-necked Duck, 70; Canvas-back, 25; Lesser Scaup, 16; Turkey Vulture, 10; Cooper's Hawk, 2; Red-tailed Hawk, 12; Red-shouldered Hawk, 7; **Golden Eagle,** 1 (D.J., *et al.*); **Bald Eagle,** 1 (H.L.); Marsh Hawk, 36; Sparrow Hawk, 5; Bob-white, 15; Am. Coot, 309; Killdeer, 158; Wilson's Snipe, 195; **Lesser Yellow-legs,** 1 (R.D.S.); Least Sandpiper, 298; **Dowitcher,** 6 (H.L., R.D.S., H.W.); Mourning Dove, 13; Barn Owl, 1; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 36; Pileated Woodpecker, 1; Red-bellied Woodpecker, 28; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 4; Downy Woodpecker, 23; Eastern Phoebe, 5; Horned Lark, 21; Blue Jay, 48; Am. Crow, 27; Carolina Chickadee, 60; Tufted Titmouse, 34; White-breasted Nuthatch, 2; Brown Creeper, 7; Winter Wren, 8; Bewick's Wren, 3; Carolina Wren, 28; Long-billed Marsh Wren, 6; Short-billed Marsh Wren, 10; Mockingbird, 30; Brown Thrasher, 4; Am. Robin, 64; Hermit Thrush, 18; Eastern Bluebird, 8; Golden-crowned Kinglet, 25; Water Pipit, 288; Sprague's Pipit, 6; Cedar Waxwing, 203; Loggerhead Shrike, 40; Common Starling, 153; Myrtle Warbler, 4; **Common Yellowthroat,** 1 (♂, R.D.S. *et al.*); House Sparrow, 270; Eastern Meadowlark, 351; Western Meadowlark, 5; Red-winged Blackbird, 7190; Rusty Blackbird, 143; Brewer's Blackbird, 76; Purple Grackle, 254; Brown-headed Cowbird, 18; evening blackbird flocks (sp), 2100; Cardinal, 122; Purple Finch, 12; Am. Goldfinch, 260; Eastern Towhee, 15; Savannah Sparrow, 218; **Leconte's Sparrow,** 41 (3 places—B.C., D.J., R.S.); Slate-colored Junco, 123; Field Sparrow, 49; Harris's Sparrow, 4; White-crowned Sparrow, 136; White-throated Sparrow, 572; Fox Sparrow, 6; Swamp Sparrow, 196; Song Sparrow, 392; Lapland Longspur, 980; Smith's Longspur, 11. **Total,** 91 species; about 17,189 individuals.—Mr. and Mrs. Ben B. Coffey, Jr., Ed Hastings, Douglas James, Harry Landis, Jr., Alice Smith, R. Demett Smith, Jr., Harry H. Wilcox.

374. Texarkana, Ark.-Tex. (same areas as in past).—Dec. 26; 7:30 a.m. to 5 p.m. Partly cloudy, scattered showers; temp. 52° to 60°; wind slight. Six observers in 1 party. Total party-hours, 52 (48 on foot, 4 by car); total party-miles, 70 (42 on foot, 28 by car). Pied-billed Grebe, 3; Great Blue Heron, 8; Mallard, 35; Gadwall, 7; Am. Widgeon, 3; Green-winged Teal, 97; Shoveller, 5; Turkey Vulture, 27; Red-tailed Hawk (Krider's), 1; Red-shouldered Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 4; Bob-white, 15; Killdeer, 22; Wilson's Snipe, 3; **Spotted Sandpiper,** 1; **Least Sandpiper,** 6; **Ring-billed Gull,** 1; Mourning Dove, 6; Belted Kingfisher, 2; Red-shafted Flicker, 30; Pileated Woodpecker, 1; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 7; Yellow-bellied Sapsucker, 4; Downy Woodpecker, 6; Eastern Phoebe, 2; Blue Jay, 18; Am. Crow, 68; Carolina Chickadee, 12; Tufted Titmouse, 6; Winter Wren, 1; Carolina Wren, 4; Mockingbird, 14; Brown Thrasher, 8; Am. Robin, 13; Hermit Thrush, 2; Eastern Bluebird, 19; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 3; Water Pipit, 30; Cedar Waxwing, 13; Loggerhead Shrike, 17; Common Starling, 16; Myrtle Warbler, 54; Pine Warbler, 1; Common Yellowthroat, 1; House Sparrow, 14; Eastern Meadowlark, 35; Red-winged Blackbird, 1529; Rusty Blackbird, 10; Brown-headed Cowbird, 29; Cardinal, 67; Purple Finch, 1; Am. Goldfinch, 9; Slate-colored Junco, 37; White-crowned Sparrow, 6; White-throated Sparrow, 37; Fox Sparrow, 10; Song Sparrow, 3. **Total,** 60 species; about 2405 individuals.—W. S. Jennings, Don Kyle, Jim Cook, Dale Gardner, Gale Gardner, Charles Gardner,

375. New Orleans, La. (7½-mile radius centering on Louisiana Ave. and Freret St., including 1500 acre City Park, 350 acre Audubon Park, Lake Pontchartrain, Mississippi River, Waggaman Pond, Churchill Farms Pond; lakes, ponds, canals 30%, parks and upland wooded areas 35%, wooded bottomlands 10%, roadsides, pastures 20%, cultivated fields 5%).—Dec. 26; 8:30 a.m. to 5:15 p.m. Overcast, intermittent rains; temp. 56° to 63°; wind E, 12-20 m.p.h.; chilly wind in morning kept birds under cover. Twenty-one observers in 6 parties. Total party-hours, 43 (15 on foot, 28 by car); total party-miles, 262 (40 on foot, 222 by car). Common Loon, 3; Pied-billed Grebe, 73; Brown Pelican, 15; Double-crested Cormorant, 4; Water-turkey, 4; Great Blue Heron, 6; Am. Egret, 15; unidentified geese, 45; Mallard, 34; Mottled Duck, 2; Gadwall, 12; Pintail, 1; Green-winged Teal, 3; Blue-winged Teal, 4; Shoveller, 10; Ring-necked Duck, 119; Lesser Scaup, 16; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 14; Red-shouldered Hawk, 29; Bald Eagle, 2; Marsh Hawk, 6; **Pigeon Hawk,** 1; Sparrow Hawk, 22; Bob-white, 2; Clapper Rail, 1; Sora, 1; Florida Gallinule, 3; Am. Coot, 2000; Killdeer, 2000; Wilson's Snipe, 23; Herring Gull, 1500; Ring-billed Gull, 2500; Laughing Gull, 10; Bonaparte's Gull, 5; Gull-billed Tern, 3; Forster's Tern, 150; Royal Tern, 9; Caspian Tern, 4; Mourning Dove, 500; Barred Owl, 3; Belted Kingfisher, 11; Yellow-shafted Flicker, 34; Pileated Woodpecker, 2; Red-bellied Woodpecker, 7; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 7; Downy Woodpecker, 12; Eastern Phoebe, 47; Vermilion Flycatcher, 1; **Tree Swallow,** 4000; **Rough-winged Swallow,** 12; **Purple Martin,** 11 (T.J.H., J.L.D.); Blue Jay, 97; Am. Crow, 6000; Fish Crow, 15; Carolina Chickadee, 10; Tufted Titmouse, 4; **Red-breasted Nuthatch,** 2; House Wren, 56; Bewick's Wren, 1; Carolina Wren, 29; Long-billed Marsh Wren, 2; Mockingbird, 2000; Catbird, 3; Brown Thrasher, 10; Am. Robin, 2000; Hermit Thrush, 7; Eastern Bluebird, 200; Blue-gray Gnatcatcher, 1; Golden-crowned Kinglet, 53; Ruby-crowned Kinglet, 501; Water Pipit, 523; Cedar Waxwing, 5; Loggerhead Shrike, 496; Common Starling, 10,000; White-eyed Vireo, 4; Orange-crowned Warbler, 36; **Black-capped Warbler,** 2 (found every winter); Myrtle Warbler, 10,000; Pine Warbler, 39; Palm Warbler, 11; Common Yellowthroat, 487; House Sparrow, 993; Eastern Meadowlark, 496; Red-winged Blackbird, 2000; Boat-tailed Grackle, 575; Purple Grackle, 28; Brown-headed Cowbird, 15; Cardinal, 195; **Painted Bunting,** 1 (J. L. D., B.D.); Am. Goldfinch, 46; Eastern Towhee, 25; Savannah Sparrow, 210; Slate-colored Junco, 2; Chipping Sparrow, 12; Field Sparrow, 1; White-crowned Sparrow, 2; White-throated Sparrow, 995; Lincoln's Sparrow, 3; Swamp Sparrow, 1003; Song Sparrow, 35. **Total,** 103 species; about 52,534 individuals. (Dec. 27: Ground Dove, Am. Redstart.) [Excellent details submitted for all unusual observations—Ed.] —Samuel Arny, Donald Bradburn, Brian Donlan, J. L. Dorn (compiler), Albert Eigenbrod, Mr. and Mrs. H. A. Evans, Rose Feingold, Sidney Geauthreaux, W. G. Hamilton, T. J. Hatrel, Buford Myers, Buford Myers III, Martha Myers, Adolyn Myers, Rene Lala, Paul Odenwald, Ross Olmstead, Joe Scott, W. Shepherd, Mrs. W. T. Von Gohren (New Orleans Branch, L. O.S.)

376. Sabine National Wildlife Refuge, La. (same area as last year).—Jan. 1; 12.01 a.m. to 6 p.m. Impenetrable fog over most of area most of day limiting visibility to as little as 50 ft.; temp. 55° to 70°; wind S to SW, 0-7 m.p.h. Twenty-three observers in 12 parties. Total party-hours, 110½: in darkness, 4½ (2 on foot, 2½ by car); in daylight, 106 79½ on foot, 14 by car, 11½ by boat, 1 by weasel). Total party-miles, 260: in darkness, 41½ (1 on foot, 40½ by car); in daylight, 248½ (64½ on foot, 133 by car, 47 by boat, 4 by weasel). Horned Grebe, 3; Pied-billed Grebe, 24; White Pelican, 99; Brown Pelican, 110; Double-crested Cormorant, 36; Olivaceous Cormorant, 13; unidentified cormorants, 1350; Great Blue Heron, 71; Am. Egret, 167; Snowy Egret, 123; **Reddish Egret,** 1 (R.J.N., R.R.R.); Louisiana Heron, 3; Little Blue Heron, 3; Black-crowned Night Heron, 34; **Am. Bittern,** 19; **White-faced Ibis,** 2036; White Ibis, 27; Canada Goose, 1459 (2 *hutchinsi*); White-fronted Goose, 210; Snow Goose, 8000; **Blue Goose,** 22,000; Mallard, 445; Black Duck, 4; Mottled Duck, 4; unidentified Black or Mottled Ducks, 10; Gadwall, 113; Am. Widgeon, 325; Pintail, 151; **Green-winged Teal,** 2140; Blue-winged Teal, 10; Shoveller, 22; Wood Duck, 2; Ring-necked Duck,

30; Canvas-back, 38; scaup (sp.) 135 (1 Lesser identified); Am. Golden-eye, 13; Buffle-head, 3; unidentified diving ducks, 3000; Ruddy Duck, 8; Hooded Merganser, 13; Turkey Vulture, 11; Black Vulture, 10; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 19; Red-shouldered Hawk, 5; Marsh Hawk, 33; Peregrine Falcon, 2; Pigeon Hawk, 1; Sparrow Hawk, 23; Bob-white, 7; King Rail, 10; Clapper Rail, 3; Virginia Rail, 4; Sora, 12; Florida Gallinule, 2; Am. Coot, 5; Snowy Plover, 6; Ringed Plover, 10; Killdeer, 231; Black-bellied Plover, 72; Ruddy Turnstone, 25; Am. Woodcock, 1; Wilson's Snipe, 179; Long-billed Curlew, 15; Spotted Sandpiper, 1; Willet, 28; Greater Yellow-legs, 85; Lesser Yellow-legs, 22; unidentified "peep" sandpipers, 1000; Least Sandpiper, 64; Red-backed Sandpiper, 419; Dowitcher, 238 (Long-billed, 17); Semi-palmated Sandpiper, 109; Western Sandpiper, 45; Sanderling, 66; Herring Gull, 73; Ring-billed Gull, 484; Laughing Gull, 73; Bonaparte's Gull, 91; Gull-billed Tern, 10; Forster's Tern, 108; Common Tern, 4; Royal Tern, 105; **Caspian Tern,** 50; Black Skimmer, 67; Mourning Dove, 68; Ground Dove, 3; Barn Owl, 3; Screech Owl, 6 (heard); Burrowing Owl, 2; Barred Owl, 1; Short-eared Owl, 3; Belted Kingfisher, 29; Yellow-shafted Flicker, 108; Red-bellied Woodpecker, 4; **Red-headed Woodpecker,** 5; Yellow-bellied Sapsucker, 7; Downy Woodpecker, 4; Eastern Phoebe, 20; **Vermilion Flycatcher,** 1 (J.H.S., R.L.D.); Tree Swallow, 253; Blue Jay, 61; Fish Crow, 29; Carolina Chickadee, 2; **Red-breasted Nuthatch,** 1; Brown Creeper, 6; House Wren, 35; Winter Wren, 8; Carolina Wren, 14; **Long-billed Marsh Wren,** 98; **Short-billed Marsh Wren,** 120; Mockingbird, 133; **Brown Thrasher,** 119; Am. Robin, 175; Hermit Thrush, 15; Blue-gray Gnat-catcher, 47; Golden-crowned Kinglet, 33; Ruby-crowned Kinglet, 126; Water Pipit, 598; **Sprague's Pipit,** 65; Cedar Waxwing, 14; Loggerhead Shrike, 94; Common Starling, 1692; Solitary Vireo, 4; Orange-crowned Warbler, 38; Myrtle Warbler, 61; **Black-throated Gray Warbler,** 1 (P.A.D., B.C.); Pine Warbler, 11; Palm Warbler, 4; Common Yellowthroat, 83; **Yellow-breasted Chat,** 1 (Dr. and Mrs. Krebs); **Black-capped Warbler,** 4; House Sparrow, 171; Eastern Meadowlark, 347; Western Meadowlark, 3; Red-winged Blackbird, 3012; **oriole** (♀ Baltimore or Bullock's), 1; Brewer's Blackbird, 6; Boat-tailed Grackle, 222; Purple Grackle, 12; Brown-headed Cowbird, 72; Cardinal, 126; **Purple Finch,** 16 (H.H.J.); Am. Goldfinch, 132; Eastern Towhee, 17; Spotted Towhee, 1; Savannah Sparrow, 270; Grasshopper Sparrow, 26; Leconte's Sparrow, 2; **Sharp-tailed Sparrow,** 21; **Seaside Sparrow,** 216; Vesper Sparrow, 3; Field Sparrow, 8; White-crowned Sparrow, 15; White-throated Sparrow, 268; **Fox Sparrow,** 1 (H.H.J.); Lincoln's Sparrow, 7; Swamp Sparrow, 61; Song Sparrow, 273. **Total,** 156 species (2 additional subspecies); about 55,602 individuals. (Seen in area Dec. 30: Redhead, 12; Red-breasted Merganser, 20; Dec. 31: Eared Grebe, 1; Lark Sparrow, 2; Jan. 2: Slate-colored Junco, 1; just outside area day of count: Bullock's Oriole, 1 ♂.)—Fred J. Buchmann, Bobby Collins, P. Ambrose Daigre, Richard L. Diener, Marshall B. Eyster, August Hanniball, Van T. Harris, Dwain Hicks, Horace H. Jeter, Dr. and Mrs. Robert W. Krebs, Douglas A. Lancaster, Dr. and Mrs. George H. Lowery, Jr., Robert B. Moore, Johnny Mouton, Robert J. Newman (compiler), Royston R. Rudolph, Stephen M. Russell, James R. Stewart, J. H. Sutherlin, John Walther, Edwin O. Willis.

377. **St. Francisville, La.** (same area as 1945).—Dec. 26; 12:01 a.m. to 6 p.m. Continuous overcast after dawn; temp. 52° to 70°; wind E to SE, 10-20 m.p.h. Fourteen observers in 6 parties. Total party-hours, 80½: in darkness, 11 (6 on foot, 5 by car); in daylight, 69½ (50 on foot, 19½ by car). Total party-miles, 327: in darkness, 63 (6 on foot, 57 by car); in daylight, 264 (52 on foot, 212 by car). **Horned Grebe,** 86; **Eared Grebe,** 1 (R.J.N., H.S.); **Pied-billed Grebe,** 184; **White Pelican,** 46; Double-crested Cormorant, 38; Great Blue Heron, 24; **Am. Egret,** 22; **Black-crowned Night Heron,** 14 (F.J.B.); **Mallard,** 274; Gadwall, 105; Am. Widgeon, 82; Pintail, 29; **Green-winged Teal,** 11; **Shoveller,** 10; Wood Duck, 14; Redhead, 3; Ring-necked Duck, 102; Canvas-back, 426; scaup (sp.), 578; Am. Golden-eye, 14; Buffle-head, 41; Old-squaw, 1 (R.J.N.); Ruddy Duck, 3591; Hooded Merganser, 2; Turkey Vulture, 34; **Black Vulture,** 213; Sharp-shinned Hawk, 3; Cooper's Hawk, 2; Red-tailed Hawk, 19; Red-shouldered Hawk, 13; Bald Eagle, 3; Marsh Hawk, 10; Sparrow Hawk, 32; **Bob-white,** 86; **King Rail,** 4; Sora, 5; Am. Coot, 1037; Killdeer, 123; Am. Woodcock, 1; **Wilson's Snipe,** 41; Spotted Sandpiper, 2; **Solitary Sandpiper,** 1 (F.J.B.); Least Sandpiper, 8; Herring Gull, 12; Ring-billed Gull, 55; Forster's Tern, 18; Mourning Dove, 83; Barn Owl, 3; Screech Owl, 3; Horned Owl, 5; Barred Owl, 16; Belted Kingfisher, 32; Yellow-shafted Flicker, 101; Pileated Woodpecker, 9; **Red-bellied Woodpecker,** 79; Red-headed Woodpecker, 38; Yellow-bellied Sapsucker, 39; Hairy Woodpecker, 7; **Downy Woodpecker,** 76; **Eastern Phoebe,** 127; Tree Swallow, 51; Blue Jay, 127; Am. Crow, 327; Fish Crow, 28; Carolina Chickadee, 136; Tufted Titmouse, 52; Brown-headed Nuthatch, 4; **Brown Creeper,** 9; House Wren, 19; Winter Wren, 13; Bewick's Wren, 11; Carolina Wren, 96; Long-billed Marsh Wren, 4; Short-billed Marsh Wren, 9; Mockingbird, 171; Catbird, 1; **Brown Thrasher,** 86; Am. Robin, 224; Hermit Thrush, 8; Eastern Bluebird, 106; **Blue-gray Gnatcatcher,** 21; Golden-crowned Kinglet, 97; **Ruby-crowned Kinglet,** 226; Water Pipit, 356; Loggerhead Shrike, 66; Common Starling, 565; White-eyed Vireo, 3; Solitary Vireo, 3; Orange-crowned Warbler, 23; Myrtle Warbler, 390; Pine Warbler, 23; Palm Warbler, 2; **Common Yellowthroat,** 20; House Sparrow, 123; **Eastern Meadowlark,** 248; Western Meadowlark, 4; Red-winged Blackbird, 34,612; Rusty Blackbird, 295; **Brewer's Blackbird,** 302; Purple Grackle, 3932; Brown-headed Cowbird, 240; Cardinal, 400; Purple Finch, 8; **Am. Goldfinch,** 273; Eastern Towhee, 112; Savannah Sparrow, 62; **Leconte's Sparrow,** 14; Vesper Sparrow, 22; Slate-colored Junco, 90; **Chipping Sparrow,** 75; **Field**

Sparrow, 220; **White-crowned Sparrow,** 7; White-throated Sparrow, 1017; Fox Sparrow, 13; Lincoln's Sparrow, 1; **Swamp Sparrow,** 698; Song Sparrow, 143. **Total,** 117 species; 54,226 individuals.—Fred J. Buchmann, M. W. deLaubenfels, Marshall B. Eyster, John P. Gee, Dr. and Mrs. Robert W. Krebs, George H. Lowery, Jr., William J. Mattox, Jr., Dr. and Mrs. Robert B. Moore, Robert J. Newman (compiler), Dr. and Mrs. J. Harvey Roberts, Herbert Stern, Jr.

378. Shreveport, La. (same area as last year; open fields and pastures 27%, brushy fields and edges 30%, deciduous woods 22%, pine woods 10%, wooded lake 1%, open lake and ponds 10%).—Dec. 26; 5 a.m. to 5.30 p.m. Cloudy, occasional rain; temp. 49° to 72°; wind SSE, 10-21 m.p.h. Cross Lake 4 ft. below normal. Six observers in 5 parties. Total party-hours, 43 (30 on foot, 10 by car, 3 in boat); total party-miles, 206 (30 on foot, 168 by car, 8 by boat). Horned Grebe, 1; Pied-billed Grebe, 5; **White Pelican,** 7; Great Blue Heron, 58; Am. Egret, 26; Mallard, 8; Canvas-back, 5; Ruddy Duck, 63; Turkey Vulture, 21; Black Vulture, 12; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 19; Bob-white, 13; Am. Coot, 54; Killdeer, 41; Am. Woodcock, 1; Wilson's Snipe, 16; **Spotted Sandpiper,** 1; Least Sandpiper, 102; Herring Gull, 2; Ring-billed Gull, 226; Mourning Dove, 64; **Roadrunner,** 1; Horned Owl, 2; Barred Owl, 6; Belted Kingfisher, 6; Yellow-shafted Flicker, 135; Pileated Woodpecker, 6; Red-bellied Woodpecker, 45; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 17; Hairy Woodpecker, 9; Downy Woodpecker, 14; Red-cockaded Woodpecker, 3; Eastern Phoebe, 10; **Horned Lark,** 15 (first local record); Blue Jay, 150; Am. Crow, 113; Carolina Chickadee, 66; Tufted Titmouse, 56; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 3; Brown-headed Nuthatch, 20; Brown Creeper, 6; House Wren, 2; Winter Wren, 6; Bewick's Wren, 3; Carolina Wren, 71; Mockingbird, 72; Brown Thrasher, 28; Am. Robin, 153; Hermit Thrush, 34; Eastern Bluebird, 61; Golden-crowned Kinglet, 84; Ruby-crowned Kinglet, 59; Water Pipit, 59; **Sprague's Pipit,** 6; Cedar Waxwing, 238; Loggerhead Shrike, 47; Common Starling, 18,200; Orange-crowned Warbler, 1; Myrtle Warbler, 60; Pine Warbler, 45; House Sparrow, 92; Eastern Meadowlark, 118; Western Meadowlark, 5; Red-winged Blackbird, 6500; Rusty Blackbird, 32; Purple Grackle, 4800; Brown-headed Cowbird, 455; Cardinal, 214; Purple Finch, 27; Pine Siskin, 5; Am. Goldfinch, 358; Eastern Towhee, 32; Spotted Towhee, 3; Savannah Sparrow, 36; **Leconte's Sparrow,** 27; Vesper Sparrow, 6; Slate-colored Junco, 666; Chipping Sparrow, 48; Field Sparrow, 67; Harris's Sparrow, 2; White-crowned Sparrow, 1; White-throated Sparrow, 341; Fox Sparrow, 11; Lincoln's Sparrow, 2; Swamp Sparrow, 52; Song Sparrow, 99. **Total,** 93 species; about 34,684 individuals.—P. A. Daigre, G. Dale Hamilton, Mrs. Horace C. Hearne, Horace H. Jeter (compiler), O. C. Sheffield, James R. Stewart, Jr.

379. Arrowwood National Wildlife Refuge, Kensal, N. Dak. (2 x 16 miles along James River, river dammed at 3 points forming 4 lakes; wooded area 1%, cultivated land in grain crops 10%, hay meadows 10%, grazing units 75%, unused brush land 4%).—Dec. 25; 10 a.m. [much too late.—Ed.] to 4 p.m. Clear and calm; temp. 13° to 33°; water areas frozen, no snow. Two observers in 1 party. Total party-hours, 11 (4 on foot, 7 by car); total party-miles, 50 (7 on foot, 43 by car). Sharp-tailed Grouse, 210; Ring-necked Pheasant, 41; Horned Owl, 4; Snowy Owl, 1; Downy Woodpecker, 16; Am. Magpie, 11; House Sparrow, 35; Common Redpoll, 43; Am. Tree Sparrow, 64; Song Sparrow, 12; Snow Bunting, 340. **Total,** 11 species; about 777 individuals.—Nelius B. Nelson (compiler), Denis C. Nelson.

380. Bismarck, N. Dak. (same area as last year; deciduous bottomland 35%, mixed conifers and hardwoods at Experiment Station and tree nursery 22%, bottomland fields and meadows 15%, upland fields and prairies 15%, farmsteads and feed lots 5%, weed fields 5%, urban 3%).—Dec. 26; 8:30 a.m. to 5:15 p.m. Partly cloudy; temp. 6° to 24°; wind E, 2-14 m.p.h.; no snow, main channel of Missouri River flowing but choked with floating ice. Fourteen observers in 4 parties. Total party-hours, 22 (14 on foot, 8 by car); total party-miles, 204 (11 on foot, 193 by car). Red-tailed Hawk, 5; Rough-legged Hawk, 1; Golden Eagle, 1; Prairie Falcon, 1; **Sparrow Hawk,** 1; Sharp-tailed Grouse, 50; Ring-necked Pheasant, 59; Mourning Dove, 1; Horned Owl, 4; **Saw-whet Owl,** 1; Yellow-shafted Flicker, 3; Hairy Woodpecker, 8; Downy Woodpecker, 11; Horned Lark, 50; Blue Jay, 9; Am. Magpie, 23; Am. Crow, 1; Black-capped Chickadee, 78; White-breasted Nuthatch, 3; Am. Robin, 23; Townsend's Solitaire, 1; Golden-crowned Kinglet, 2; Cedar Waxwing, 8; Gray Shrike, 2; Common Starling, 1; House Sparrow, 915; Red-winged Blackbird, 4; **Cardinal,** 1 (R.N.R.); Common Redpoll, 14; Am. Goldfinch, 83; Slate-colored Junco, 22; Am. Tree Sparrow, 221; Harris's Sparrow, 2; Snow Bunting, 16. **Total,** 34 species; about 1625 individuals. (Seen in area Dec. 31: Snowy Owl, 1; Pine Siskin, 4; **White-crowned (Gambel's) Sparrow,** 5; Jan. 2: Mallard, 2000; **Arctic Woodpecker,** 1; Bohemian Waxwing, 64; Purple Finch, 20.)—R. L. Bagwell, J. W. Bischof, Donald Bischof, Vernon Bull, E. G. Gahley, Vern Hagen, Pearla Kapphahn, J. P. Laschkewitsch, Donald Laschkewitsch, R. N. Randall (compiler), Mrs. R. N. Randall, Danny Randall, Al Thal, D. B. Vogtman (Bismarck Bird Club).

381. Des Lacs National Wildlife Refuge, Kenmare, N. Dak. (same area as 1953).—Dec. 26; 8:30 a.m. to 5:30 p.m. Cloudy; temp. 8° to 9°; wind E, 5 m.p.h.; light snow showers. Twenty-three observers in 5 parties. Total party-hours, 38 (18 on foot, 20 by car and jeep); total party-miles, 351 (19 on foot, 332 by car and jeep). Rough-legged Hawk, 1; Golden Eagle, 2; Sharp-tailed Grouse, 60; European Partridge, 35; Ring-necked Pheasant, 1; Horned Owl, 1;

Snowy Owl, 3; Short-eared Owl, 4; Hairy Woodpecker, 2; Downy Woodpecker, 4; Horned Lark, 20; Am. Magpie, 11; Am. Crow, 1; Black-capped Chickadee, 32; White-breasted Nuthatch, 1; Golden-crowned Kinglet, 1; Bohemian Waxwing, 10; Gray Shrike, 1; Common Starling, 41; House Sparrow, 370; Purple Finch, 3; Common Redpoll, 398; Harris's Sparrow, 1; Lapland Longspur, 1700; Snow Bunting, 13. **Total,** 25 species; about 2716 individuals. (Seen in area Jan. 2: Pine Grosbeak, 1.)—George Bodmer, Henry Bodmer, Herbert Bodmer, John Bodmer, Olive Bodmer, Paul Bodmer, Kermit Dybsetter, Ann Gammell (compiler), Robert Gammell, Heath Gross, Marguerite Gross, Robert Gross, Alton Pederson, Leslie Pederson, Robert Pederson, Rodli Pederson, Ruth A. Pederson, Ruth R. Pederson, Darrell Ritter, Lyla Ritter, Mavis Ritter, Russell Ritter, Viggo Ritter (Kenmare Bird Club).

382. Fargo, N. Dak. (same as last year, 7½-mile radius centering on Red River 4½ miles north of Fargo, including Red River Valley from Lindenwood Park, north to confluence of Red and Sheyenne Rivers, west to confluence of Maple and Sheyenne Rivers; flood-plain deciduous growth 25%, agricultural land 45%, deciduous shelterbelts 10%, city parks and cemeteries 20%).—Dec. 27; 8 a.m. to 5:30 p.m. Cloudy to clear; temp. 2° to 13°; wind N, 0-8 m.p.h.; 1-3-in. snow, rivers frozen at most places. Two observers in 1 party. Total party-hours, 8½ (5 on foot, 3½ by car); total party-miles, 60 (3 on foot, 57 by car). European Partridge, 33; Ring-necked Pheasant, 1; Snowy Owl, 2; Hairy Woodpecker, 1; Downy Woodpecker, 1; Blue Jay, 2; Black-capped Chickadee, 1; White-breasted Nuthatch, 6; Brown Creeper, 1; Common Starling, 5; House Sparrow, 38; **Hoary Redpoll,** 2; Common Redpoll, 26; Pine Siskin, 1; **Vesper Sparrow,** 1 (carefully studied at close range); Slate-colored Junco, 4; Snow Bunting, 20. **Total,** 17 species; 145 individuals. (Seen in area Jan. 2: Golden-crowned Kinglet.)—J. Frank Cassell (compiler), Joyce Mohberg.

383. Lower Souris National Wildlife Refuge, Upham, N. Dak. (Refuge headquarters to Upham, east across marsh to riverbottom between Dam I and Willow Creek; marsh 33%, meadow 33%, wooded riverbottom 34%).—Dec. 30; 8:30 a.m. to 5 p.m. Clear; temp. −11° to 7°; wind SE, 2-3 m.p.h.; 1-in. snow, open water at Dam I, Dam III, and one small slough. One observer. Total hours, 8 (6½ on foot, 1½ by car); total miles, 42 (12 on foot, 30 by car). Golden Eagle, 1; Sharp-tailed Grouse, 5; European Partridge, 7; Ring-necked Pheasant, 43; Horned Owl, 1; Snowy Owl, 1; **Short-eared Owl,** 5; Hairy Woodpecker, 1; Downy Woodpecker, 5; Am. Magpie, 3; Black-capped Chickadee, 10; White-breasted Nuthatch, 5; Brown Creeper, 1; House Sparrow, 100; **Common Redpoll,** 135. **Total,** 15 species; about 323 individuals.—M. C. Hammond.

384. Pembina Hills, N. Dak. (Walhalla on north edge of 15-mile circle and Mountain on south edge; pasture 15%, plowed land 40%, deciduous timber and brush 40%, rivers and marsh 3%, towns 2%).—Jan. 2; 9:30 a.m. to 5 p.m. Cloudy, moderate snow in p.m.; temp. −5° to 5°; wind NE, 8 m.p.h.; ground covered with 3-in. snow, water frozen except an occasional spring. Two observers in 1 party. Total party-hours, 7 (1 on foot, 6 by car); total party-miles, 55 (1 on foot, 54 by car). Sharp-tailed Grouse, 13; Downy Woodpecker, 1; Horned Lark, 3; Blue Jay, 4; Am. Magpie, 1; Black-capped Chickadee, 5; Bohemian Waxwing, 250; Common Starling, 25; House Sparrow, 75; Common Redpoll, 10; Snow Bunting, 415. **Total,** 11 species; about 802 individuals.—Mr. and Mrs. Edwin O. Bry, Jr.

385. Upper Souris National Wildlife Refuge, Foxholm, N. Dak. (40-mile route starting at headquarters, passing through Carpio to Highway 28 and north 20 miles, also 17-mile refuge trail around marsh units below Lake Darling; pasture and farmland 75%, coulee and upland plantings for windbreak 25%).—Jan. 1; 8:40 a.m. to 5 p.m.; temp. 8° to 27°; wind W, 5-10 m.p.h.; fresh water frozen except parts of Souris River channel. One observer. Total hours, 8 (1 on foot, 7 by car); total miles, 57 (1 on foot, 56 by car). Mallard, 12; Redhead, 3; Canvas-back, 1; Lesser Scaup, 1; Am. Golden-eye, 1; Rough-legged Hawk, 3; Sharp-tailed Grouse, 31; European Partridge, 5; Ring-necked Pheasant, 8; Snowy Owl, 1; Short-eared Owl, 11; Downy Woodpecker, 1; Horned Lark, 31; Am. Magpie, 18; Bohemian Waxwing, 11; House Sparrow, 7; Common Redpoll, 7; Lapland Longspur, 206; Snow Bunting, 41. **Total,** 19 species; about 399 individuals.—Frank R. Martin.

386. Canton, S. Dak. (7½-mile radius centered 4 miles west of Canton, including Canton, Sioux River, Newton Hills; open farmlands 55%, town and suburbs 20%, deciduous wooded areas 25%).—Dec. 26; 8 a.m. to 4 p.m. Clear; temp. 24° to 28°; wind NW, 5 m.p.h.; patches of snow, considerable open water on streams. Three observers in 1 party. Total party-hours, 8 (1 on foot, 7 by car); total party-miles 65 (1 on foot, 64 by car). Rough-legged Hawk, 2; Golden Eagle, 1; Ring-necked Pheasant, 21; Horned Owl, 1 (voice just before dawn); Snowy Owl, 1; Hairy Woodpecker, 4; Downy Woodpecker, 4; Horned Lark, 25; Blue Jay, 1; Am. Crow, 12; Black-capped Chickadee, 10; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 2; Brown Creeper, 3; Common Starling, 55; House Sparrow, 73; Western Meadowlark, 2; Cardinal, 6; Slate-colored Junco, 15; Am. Tree Sparrow, 23; Harris's Sparrow, 2; Song Sparrow, 1 (slightly injured wing; about feeding station for many weeks). **Total,** 22 species; about 265 individuals.—W. B. Mallory (compiler), Mary E. Mallory, Avery Mallory.

387. Lacreek National Wildlife Refuge, Martin, S. Dak. (same general area as previous years; marsh and reservoir 35%, meadow 35%, willow thickets 30%).—Dec. 29; 7 a.m. to 3 p.m.; temp. 21° to 38°; wind WNW, 12-2 m.p.h.; scattered snow patches, open water below spillways and some on pools. Two observers in 1 party. Total party-hours, 8 (3 on foot,

5 by car); total party-miles, 34 (3 on foot, 31 by car). Whistling Swan, 1; Mallard, 10,193; Canvas-back, 3; Lesser Scaup, 5; Am. Golden-eye, 44; Rough-legged Hawk, 13; Golden Eagle, 3; Marsh Hawk, 9; Ring-necked Pheasant, 143; Screech Owl, 1; Horned Owl, 5; Red-shafted Flicker, 1; Downy Woodpecker, 3; Am. Magpie, 8; Am. Crow, 3; Black-capped Chickadee, 4; House Sparrow, 1; Common Redpoll, 61; Am. Tree Sparrow, 35; Lapland Longspur, 115. **Total,** 20 species; about 10,651 individuals. (In same area between Dec. 23-30: Canada Goose, Prairie Falcon, Western Meadowlark.)—Kenneth Krumm (compiler), Forrest W. Brooks.

388. Madison, S. Dak. (7½-mile radius centering on Center and Egan Avenues, including Lake Madison, Long Lake, Lake Herman, several small sloughs; plowed field 70%, pasture 20%, wild slough grass 5%, town suburb 5%).—Jan. 2; 8 a.m. to 5:10 p.m. Slightly cloudy; temp. 15° to 48°; wind NW, 10-15 m.p.h.; no snow, lakes and sloughs partly frozen. Twenty-three observers in 11 parties. Total party-hours, 20 (2 on foot, 18 by car); total party-miles, 228 (6 on foot, 222 by car). Mallard, 700; Ring-necked Pheasant, 189; Horned Owl, 1; Snowy Owl, 1; Long-eared Owl, 1; Yellow-shafted Flicker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 6; Horned Lark, 14; Blue Jay, 4; Am. Crow, 622; Black-capped Chickadee, 26; White-breasted Nuthatch, 10; Am. Robin, 2; Common Starling, 294; House Sparrow, 584; Cardinal, 5; Pine Siskin, 1; Am. Goldfinch, 4; Slate-colored Junco, 33; Am. Tree Sparrow, 49. **Total,** 21 species; about 2553 individuals.—Maurice Anderson, Mrs. Vera Beck Anderson, Mr. and Mrs. Wesley Beardsley, Dr. and Mrs. D. S. Baughman, Mrs. Ethel Doblar, Gertrude Gill, Ruth Habeger (compiler), Mae C. Hogan, Mrs. H. H. Holdridge, Patrick Mullaney, Richard Mullaney, De Wayne Pecks, Mr. and Mrs. Don Porter, Opal Questad, Mr. and Mrs. Harlan Stenssas, Mr. and Mrs. Frank Waters, Kathleen Walch, Magnhild Westby.

389. Rapid City, S. Dak. (7½-mile radius centering on Dinosaur Park, including Canyon Lake, bottomlands of Rapid Creek, mouth of South Canyon, Rimrock Highway; Ponderosa Pine forests 30%, deciduous stream bottoms 30%, grazed prairie 24%, reservoir and ponds 8%, cemetery and residential area 8%).—Dec. 26; 7 a.m. to 5 p.m. Overcast except in morning; temp. 27° to 32°; wind NNW, average 8.4 m.p.h.; trace of snow fell, ground otherwise clear except for old snow in sheltered areas, water mostly open. Eleven observers in 5 parties. Total party-hours, 25 (17 on foot, 8 by car); total party-miles, 106 (15 on foot, 91 by car). Pied-billed Grebe, 1; Mallard, 1276 (counted); Gadwall, 75; Pintail, 1; Wood Duck, 1 [no details—Ed.]; Redhead, 2; Canvas-back, 1; Am. Golden-eye, 63; Am. Merganser, 6; Rough-legged Hawk, 2; Golden Eagle, 3; Prairie Falcon, 1; Ruffed Grouse, 1; Ring-necked Pheasant, 8; Belted Kingfisher, 9; Hairy Woodpecker, 2; Downy Woodpecker, 3; Blue Jay, 11; Am. Magpie, 13; Piñon Jay, 20; Black-capped Chickadee, 34; Brown Creeper, 1; Am. Dipper, 1; Townsend's Solitaire, 4; Golden-crowned Kinglet, 7; Bohemian Waxwing, 30; Loggerhead Shrike, 1; Common Starling, 6; House Sparrow, 331; Am. Goldfinch, 5; White-winged Junco, 89; Slate-colored Junco, 3; Oregon Junco, 2; unidentified junco, 16; Am. Tree Sparrow, 1; Song Sparrow, 1. **Total,** 35 species; about 2031 individuals. (Seen in area Jan. 2: Sharp-tailed Grouse, 5; Horned Lark, 20; Brewer's Blackbird, 6.)—Gertrude Bachman, David Behrens, Harry C. Behrens, Mable Cummings, Isaac Chase, G. E. Cosgrove, Charlotte G. Snyder, Mary S. Whitney, N. R. Whitney, Jr., Mr. and Mrs. L. B. Yarger.

390. Redfield, S. Dak. (7½-mile radius centering on south end of Main Street, including James River and east shore of north Twin Lakes; deciduous wooded river 8%, lake 2%, plow land 70%, prairie 18%, Cottonwood lots 2%).—Dec. 26; 10 a.m. [much too late—Ed.] to 5:30 p.m. Mostly clear; temp. 10° to 28°; wind NE, 5-10 m.p.h.; ground bare to 2-3-in. crusted snow, fresh water frozen except 1 riffles in James River. One observer. Total hours, 7½ (2 on foot, 5½ by car); total miles, 40 (2 on foot, 38 by car). Ring-necked Pheasant, 74; Horned Owl, 2; Snowy Owl, 1; Hairy Woodpecker, 5; Downy Woodpecker, 12; Black-capped Chickadee, 15; White-breasted Nuthatch, 4; **Gray Shrike,** 1; Common Starling, 60; House Sparrow, 150; Common Redpoll, 19; Am. Goldfinch, 4; Am. Tree Sparrow, 2; Harris's Sparrow, 2. **Total,** 14 species; about 351 individuals.—H. V. Padrnos.

391. Sand Lake National Wildlife Refuge, Columbia, S. Dak. (7½-mile radius centering on refuge building site No. 3; open prairie 15%, deciduous shelterbelts 60%, cattail-phragmites marsh 15%, livestock feed lot 5%, livestock pasture 5%).—Jan. 2; 9 a.m. to 5 p.m. Clear; temp. 15° to 40°; wind S, 8-12 m.p.h.; average snow ½-in., numerous bare spots, Sand Lake frozen except in 3 areas. Five observers in 2 parties. Total party-hours, 11 (8 on foot, 3 by car); total party-miles, 30 (5 on foot, 25 by car). Canada Goose, 95; Snow Goose, 10; Blue Goose, 11; Mallard, 150; Black Duck, 1; Pintail, 1; Rough-legged Hawk, 3; Bald Eagle, 1; Greater Prairie Chicken, 3; Sharp-tailed Grouse, 1; Ring-necked Pheasant, 388; Mourning Dove, 3; Horned Owl, 7; Snowy Owl, 1; Downy Woodpecker, 1; Black-capped Chickadee, 1; Am. Robin, 1; Common Starling, 13; House Sparrow, 53; Red-winged Blackbird, 51; Brown-headed Cowbird, 3; Common Redpoll, 4; Am. Goldfinch, 11; Am. Tree Sparrow, 2. **Total,** 24 species; about 815 individuals. (In area Dec. 31: Western Meadowlark; Jan. 3: European Partridge.)—Herbert H. Dill, Patricia Dill, John Dill, Elmer P. F. Podoll, Dean Podoll.

392. Sioux Falls, S. Dak. (7½-mile radius centered on 9th St. and Phillips Ave., including parks, cemeteries, Ditch Road, Big Sioux River; deciduous wooded valley 75%, brushy ditch and adjacent highways 15%, town and parks 5%, farmland 5%).—Dec. 26; 9 a.m. to 4:30 p.m. Cloudy; temp. 27° to

?°; wind E, 10 m.p.h.; slight crusted snow, river and streams open. Twenty observers in 9 parties. Total party-hours, 36 (18 on foot, 18 by car); total party-miles, 57 (7 on foot, 50 by car). Rough-legged Hawk, 2; Ring-necked Pheasant, 95; **Turkey,** 1; Mourning Dove, 32; Horned Owl, 3; Short-eared Owl, 1; Yellow-shafted Flicker, 3; Hairy Woodpecker, 7; Downy Woodpecker, 63; Blue Jay, 15; Am. Crow, 136; Black-capped Chickadee, 177; White-breasted Nuthatch, 23; Red-breasted Nuthatch, 11; Brown Creeper, 2; Golden-crowned Kinglet, 1; Common Starling, 9; House Sparrow, 859; Cardinal, 26; Evening Grosbeak, 2; Pine Siskin, 51; Am. Goldfinch, 72; **White-winged Crossbill,** 4; Slate-colored Junco, 170; Oregon Junco, 6; Am. Tree Sparrow, 76; Chipping Sparrow, 1 [no details—Ed.]; Harris's Sparrow, 12. **Total,** 28 species; about 1860 individuals.—Mr. and Mrs. Mark Wilson, David Wilson, Mr. and Mrs. Melvin Wheeler, Dr. and Mrs. E. W. Elmen, Doris McKichan, Mr. and Mrs. C. Rogge, Mr. and Mrs. H. F. Chapman, Mr. and Mrs. Maynard Pearson, Mary Ann Smithers, Steve Sugrue, Harry and Jerry Domke, Peter Eide, George L. Goebel (Sioux Falls Audubon Society).

393. **Waubay National Wildlife Refuge, Waubay, S. Dak.** (entire refuge; water area 50%, deciduous woodland 25%, agricultural land 10%, prairie and hay meadows 15%).—Dec. 29; 8:30 a.m. to 5 p.m. Clear; temp. 20° to 36°; wind E, 2 m.p.h.; crusted snow, water areas frozen except Beaver Pond. Two observers in 2 parties. Total party-hours, 16 (4 on foot, 12 by car); total party-miles, 22 (10 on foot, 12 by car). Canada Goose, 245; Mallard, 75; Black Duck, 2; Lesser Scaup, 1; Ring-necked Pheasant, 2; Horned Owl, 2; Hairy Woodpecker, 1; Downy Woodpecker, 2; Black-capped Chickadee, 8; White-breasted Nuthatch, 3; Brown Creeper, 6; Cedar Waxwing, 2; House Sparrow, 36; Red-winged Blackbird, 1; Common Redpoll, 256; Snow Bunting, 28. **Total,** 16 species; about 670 individuals.—Carl E. Pospichal (compiler), E. J. Fromelt.

394. **Yankton, S. Dak.** (7½-mile radius centering at old golf course; town and suburbs 5%, deciduous woods and brush lots 40%, cattail marsh 5%, stream banks 30%, open fields and farm lots 20%).—Dec. 25; 8 a.m. to 5 p.m. Thin to heavy overcast; temp. 22° to 44°; wind N, 5-10 m.p.h.; 1-3-in. snow in protected places, James River mostly open, Missouri River, Mud Creek, Rhine Creek open. Two observers in 1 party. Total party-hours, 9 (6 on foot, 3 by car); total party-miles, 41 (4¼ on foot, 36¾ by car). Mallard, 622; Sparrow Hawk, 2; Ring-necked Pheasant, 46; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 17; Blue Jay, 4; Am. Crow, 13; Black-capped Chickadee, 25; White-breasted Nuthatch, 3; Am. Robin, 9; Bohemian and Cedar Waxwing, 105; Common Starling, 390; House Sparrow, 115; Western Meadowlark, 1; Red-winged Blackbird, 1; Cardinal, 22; Am. Goldfinch, 19; Slate-colored Junco, 106; Am. Tree Sparrow, 87; Harris's Sparrow, 21; Song Sparrow, 1. **Total,** 24 species; about 1619 individuals. (In area Dec. 26: Brown Creeper; Dec. 27: Pine Siskin.) —Mr. and Mrs. Willis Hall.

395. **Beatrice, Nebr.** (same as previous years).—Dec. 26; 7:30 a.m. to 3 p.m. Cloudy, some rain; temp. 34° to 36°; wind N, 8-20 m.p.h.; no snow, water frozen except river. Seven observers in 3 parties. Total party-hours, 50 (14 on foot, 36 by car); total party-miles, 214 (18 on foot, 196 by car). Red-tailed Hawk, 2; Rough-legged Hawk, 2; Marsh Hawk, 8; Sparrow Hawk, 3; Long-eared Owl, 1; Yellow-shafted Flicker, 20; Red-bellied Woodpecker, 4; Hairy Woodpecker, 7; Downy Woodpecker, 3; Horned Lark, 70; Blue Jay, 5; Am. Crow, 105; Black-capped Chickadee, 132; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 1; Brown Creeper, 4; Winter Wren, 3; Am. Robin, 65; Golden-crowned Kinglet, 4; Cedar Waxwing, 15; Common Starling, 162; House Sparrow, 239; Western Meadowlark, 6; Rusty Blackbird, 25; Cardinal, 40; Pine Siskin, 15; Am. Goldfinch, 1; Slate-colored Junco, 337; Am. Tree Sparrow, 330; Chipping Sparrow, 10 [no details—Ed.]; Field Sparrow, 8; Harris's Sparrow, 130; White-throated Sparrow, 1; Fox Sparrow, 4; Song Sparrow, 69. **Total,** 35 species; about 1833 individuals.—Vera Anderson (compiler), Mr. and Mrs. Paul Baier, Mrs. Mildred Luebben, Mr. and Mrs. John Ramming, Mary Sturmer.

396. **Crete, Nebr.** (same as 1948 and subsequent years plus area around pond formed by dam No. 6 on West Blue River).—Dec. 29; 6:30 a.m. to 5 p.m. Clear; temp. 10° to 40°; wind N, 0-5 m.p.h.; no snow, all ponds frozen, 75% of Blue River frozen. Two observers in 1 party. Total party-hours, 9 (4 on foot, 5 by car); total party-miles, 50 (10 on foot, 40 by car). Cooper's Hawk, 1; Red-tailed Hawk, 2; Marsh Hawk, 4; Horned Owl, 2; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 4; Hairy Woodpecker, 5; Downy Woodpecker, 10; Horned Lark, 81; Blue Jay, 4; Am. Crow, 41; Black-capped Chickadee, 34; Red-breasted Nuthatch, 3; Brown Creeper, 3; Winter Wren, 1; Am. Robin, 2; Loggerhead Shrike, 1; Common Starling, 223; House Sparrow, 110; Western Meadowlark, 6; Cardinal, 6; Am. Goldfinch, 33; Slate-colored Junco, 38; Am. Tree Sparrow, 214; Harris's Sparrow, 68; Song Sparrow, 4. **Total,** 26 species; about 902 individuals. (Largest number of species and individuals in 8 years count has been taken; probably due to lack of snow and winter weather.)—J. L. C. Rapp, W. F. Rapp, Jr. (compiler).

397. **Grand Island, Nebr.** (same area as last year).—Dec. 29; 8:15 a.m. to 5:15 p.m. Clear; temp. 8° to 42°; wind S to SW, 0-6 m.p.h.; ground bare, fresh water frozen, thawing slightly in p.m. Two observers in 1 party. Total party-hours, 9 (5 on foot, 4 by car); total party-miles, 44 (5 on foot, 39 by car). Marsh Hawk, 5; Sparrow Hawk, 1; Bob-white, 2; Ring-necked Pheasant, 4; Yellow-shafted Flicker, 3; Red-shafted Flicker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 5; Horned Lark, 150; Am. Crow, 29; Black-capped Chickadee, 28; White-breasted Nut-

hatch, 3; Red-breasted Nuthatch, 1; Brown Creeper, 5; Am. Robin, 32; Golden-crowned Kinglet, 2; Cedar Waxwing, 4; Common Starling, 50; House Sparrow, 90; Western Meadowlark, 11; Rusty Blackbird, 10; Purple Grackle, 10; Cardinal, 2; Purple Finch, 1; Am. Goldfinch, 48; Slate-colored Junco, 68; Oregon Junco, 2; Am. Tree Sparrow, 56; Harris's Sparrow, 2; Song Sparrow, 2. **Total,** 30 species; about 633 individuals. (Seen in area Jan. 2: Rough-legged Hawk, Prairie Falcon.)—Verneil E. Griffin (compiler), Mrs. George Houser.

398. **Halsey, Nebr.** (area in Nebraska National Forest, same as last year).—Dec. 25; 9 a.m. to 5 p.m. Clear; temp. 30° to 45°; wind N, 5-10 m.p.h.; no snow on ground. One observer. Total hours, 8 (all on foot); total miles, 12. Am. Merganser, 1; Goshawk, 1; Rough-legged Hawk, 2; Sharp-tailed Grouse, 7; Horned Owl, 2; Belted Kingfisher, 2; Downy Woodpecker, 2; Am. Crow, 10; Black-capped Chickadee, 17; Townsend's Solitaire, 7; Ruby-crowned Kinglet, 11 [no details—Ed.]; Cardinal, 2; Pine Siskin, 36; Am. Goldfinch, 10; Spotted Towhee, 1; Slate-colored Junco, 49; Am. Tree Sparrow, 103; Song Sparrow, 1. **Total,** 18 species; about 264 individuals.—Carl E. Smith.

399. **Hastings, Nebr.** (north of Hastings 4 miles, south 11 miles; Crystal Lake area, Little Blue River, Parkview Cemetery).—Dec. 28; 8 a.m. to 5 p.m. Clear; temp. 10° to 40°; very little wind; lake frozen, running water in river. Eighteen observers in 4 parties. Total party-hours, 29 (7 on foot, 22 by car); total party-miles, 50 (16 on foot, 34 by car). Red-tailed Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 7; Horned Owl, 4 (2 western); Belted Kingfisher, 2; Yellow-shafted Flicker, 9; Red-shafted Flicker, 2; Red-bellied Woodpecker, 4; Hairy Woodpecker, 5; Downy Woodpecker, 8; Horned Lark, 100; Am. Crow, 24; Black-capped Chickadee, 100; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 5; Brown Creeper, 2; Winter Wren, 1; Am. Robin, 200; Townsend's Solitaire, 1; Golden-crowned Kinglet, 5; Common Starling, 300; House Sparrow, 150; Western Meadowlark, 75; Red-winged Blackbird, 65; Cardinal, 11; Purple Finch, 4; Pine Siskin, 8; Am. Goldfinch, 50; Slate-colored Junco, 200; Am. Tree Sparrow, 300; Field Sparrow, 1; Harris's Sparrow, 50; Song Sparrow, 25. **Total,** 35 species (1 additional subspecies); about 1729 individuals.—Mrs. O. K. Campbell, Cathleen Campbell, Cynthia Charlton, Mrs. A. M. Brooking, Mrs. J. M. Davis, Mrs. R. R. Damerell, W. E. Eigsti, Carrie Hansen, Geraldine Heartwell, Mrs. A. M. Jones, Mrs. E. R. Maunder, Vera Maunder, Burton Nelson, Mrs. A. E. Olson, Mrs. J. F. Simms, Mrs. C. E. Ruch, Jim Reeve, Mrs. O. W. Ritchey.

400. **Lincoln, (rural), Nebr.** (same as last year).—Jan. 2; 7:15 a.m. to 6 p.m. Scattered clouds; temp. 32° to 58°; wind SE to S, 0-22 m.p.h.; no snow on ground, streams and ponds with thin to medium ice. Fifteen observers in 4 parties. Total party-hours, 21 (11 on foot, 10 by car); total party-miles, 105 (6 on foot, 99 by car). Mallard, 14; **Goshawk,** 2; Red-tailed Hawk, 14 (Krider's, 2); Rough-legged Hawk, 2; Marsh Hawk, 9; **Peregrine Falcon,** 1; Sparrow Hawk, 2; Ring-necked Pheasant, 5; Mourning Dove, 3; Horned Owl, 5; Yellow-shafted Flicker, 8 (1 Red-shafted hybrid); Red-bellied Woodpecker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 28; Horned Lark, 3; Blue Jay, 2; Am. Crow, 68; Black-capped Chickadee, 105; Tufted Titmouse, 10; White-breasted Nuthatch, 4; Brown Creeper, 5; Am. Robin, 95; **Eastern Bluebird,** 2; Golden-crowned Kinglet, 2; Cedar Waxwing, 18; **Loggerhead Shrike,** 4; Common Starling, 623; House Sparrow, 70; meadowlark, (sp.) 11; Red-winged Blackbird, 1; Brewer's Blackbird, 41; Cardinal, 24; Pine Siskin, 33; Am. Goldfinch, 29; Spotted Towhee, 3; Slate-colored Junco, 289; Am. Tree Sparrow, 376; Harris's Sparrow, 13; **White-throated Sparrow,** 2; **Swamp Sparrow,** 2; Song Sparrow, 31. **Total,** 41 species (1 additional hybrid and 1 additional subspecies); about 1966 individuals.—Eugene Anderson, Henry E. Baumgarten, Howard P. Doole, David Fleming, Mrs. W. A. Fleming, Mary Louise Hanson (compiler), Mr. and Mrs. W. P. Irwin, Melvin H. Kleen, Vernon Kleen, C. G. Pritchard, Mr. and Mrs. Guy T. Ward, Mrs. Harold V. Whitmus, Donald Williams (Audubon Naturalists' Club, University Place Bird Club).

401. **Lincoln (city parks), Nebr.** (same area as last year).—Dec. 26; 8 a.m. to 5 p.m. Cloudy; temp. 30° to 40°; wind NE, 15-20 m.p.h.; no snow, creeks and ponds open. Eight observers in 2 parties. Total party-hours, 16 (13½ on foot, 2½ by car); total party-miles, 41 (12 on foot, 29 by car). Mallard, 8; Red-tailed Hawk, 5; Rough-legged Hawk, 1; Marsh Hawk, 8; Sparrow Hawk, 1; Ring-necked Pheasant, 1; Horned Owl, 5; Long-eared Owl, 20; Short-eared Owl, 1; Yellow-shafted Flicker, 21; Red-bellied Woodpecker, 2; Hairy Woodpecker, 18; Downy Woodpecker, 22; Blue Jay, 4; Am. Crow, 166; Black-capped Chickadee, 121; Tufted Titmouse, 3; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 34; Brown Creeper, 22; **Am. Robin,** 747; Eastern Bluebird, 12; Golden-crowned Kinglet, 8; Cedar Waxwing, 25; Common Starling, 227; House Sparrow, 195; Red-winged Blackbird, 3; Cardinal, 68; **Evening Grosbeak,** 1; **Purple Finch,** 68; Pine Siskin, 40; Am. Goldfinch, 22; Red Crossbill, 15; Slate-colored Junco, 292; Oregon Junco, 1; Am. Tree Sparrow, 101; Harris's Sparrow, 12; White-crowned Sparrow, 1; Song Sparrow, 20. **Total,** 39 species; about 2325 individuals. (Dec. 25: Brown Thrasher.)—Eugene Anderson, Mr. and Mrs. Harold Whitmus, Mrs. W. P. Irwin, Mrs. Ruth Fleming, Don Williams, Mary Louise Hanson, C. G. Pritchard (compiler) (Audubon Naturalists' Club, University Place Bird Club).

402. **Peru, Nebr.** (7½-mile radius from center of Auburn; bluffs on west side of Missouri River to Coryell Park, north beyond Peru, south nearly to Stella; pasture 25%, plowland 25%, town suburbs 5%, woods along bluffs and streams 45%).—Dec. 29; 8:15 a.m. to 5 p.m. Cloudy to party cloudy;

temp. 15° to 32°; wind NW, 5 m.p.h.; ground with 1-in. snow. Four observers in 1 party. Total party-hours, 33 (8 on foot, 25 by car); total party-miles, 220 (9 on foot, 211 by car). Sharp-shinned Hawk, 1; Red-tailed Hawk, 7; Rough-legged Hawk, 4; Marsh Hawk, 8; Sparrow Hawk, 2; Mourning Dove, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 14; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 1; Downy Woodpecker, 7; Horned Lark, 7; Blue Jay, 9; Am. Crow, 75; Black-capped Chickadee, 17; Tufted Titmouse, 21; White-breasted Nuthatch, 2; Brown Creeper, 3; Am. Robin, 11; Eastern Bluebird, 1; Common Starling, 56; House Sparrow, 326; Western Meadowlark, 46; Red-winged Blackbird, 50; Cardinal, 40; Am. Goldfinch, 108; Spotted Towhee, 2; Slate-colored Junco, 469; Am. Tree Sparrow, 1220; Harris's Sparrow, 6; White-crowned Sparrow, 2; Song Sparrow, 4. **Total,** 32 species; about 2530 individuals. (Seen Dec. 28: Bob-white, 15; Dec. 30: Golden-crowned Kinglet.)—Doris Gates (compiler), L. M. Gates, Mrs. L. M. Gates, Mrs. Robert C. Majors.

403. Scottsbluff, Nebr. (Riverside Park, Riverview Golf Course to river, north to Tub Springs, east to cemetery, south to Badlands; pasture 25%, deciduous growth along river 45%, hilly country 25%, town 5%).—Dec. 27; 7 a.m. to 4 p.m. Cloudy; temp. 22° to 30°; wind NNW, 0-10 m.p.h.; small streams frozen, snow on protected sides of hills. Ten observers in 4 parties. Total party-hours, 24 (4 on foot, 20 by car); total party-miles, 80 (11 on foot, 69 by car). Mallard, 216; Pintail, 2; Green-winged Teal, 6; Blue-winged Teal, 8 [no details—Ed.]; Marsh Hawk, 2; Pigeon Hawk, 1 [no details—Ed.]; Sparrow Hawk, 4; Bob-white, 12; Ring-necked Pheasant, 4; Killdeer, 2; Wilson's Snipe, 2; Mourning Dove, 3; Belted Kingfisher, 1; Red-shafted Flicker, 18; Downy Woodpecker, 10; Lewis's Woodpecker, 1; Horned Lark, 20; Blue Jay, 2; Am. Magpie, 57; Piñon Jay, 50; Black-capped Chickadee, 44; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 2; Brown Creeper, 4; Am. Robin, 7; Townsend's Solitaire, 8; Gray Shrike, 2; Common Starling, 139; House Sparrow, 290; Western Meadowlark, 95; Red-winged Blackbird, 250; Yellow-headed Blackbird, 1; Pine Siskin, 4; Am. Goldfinch, 1; Slate-colored Junco, 123; Oregon Junco, 119 (Pink-sided, 89); Am. Tree Sparrow, 64; White-crowned Sparrow, 2. **Total,** 38 species (1 additional subspecies); 1577 individuals.—Mr. and Mrs. J. W. Brashear, Mrs. H. Andresen, Mrs. Larry Johnson, Mrs. M. A. J. Olson, Mary Ann Wake, Alice Gentry, Mrs. S. R. Young, Mrs. John Robb, Mrs. Roy J. Witschy.

404. Stapleton, Nebr. (7½-mile radius centering ½-mile east of village square, including South Loup River and North Fork; pasture 16%, plowland 17%, deciduous woodlots 25%, cedar and Austrian Pine grove 5%, marsh 37%).—Dec. 30; 8 a.m. to 5 p.m. Clouds to 9:30 a.m., clear; temp. 21° to 42°; wind SW, 5-10 m.p.h.; 2-3-in. snow on ground, water frozen except springs and some spots along Loup River. Two observers in 2 parties. Total party-hours, 18 (11 on foot, 7 by car); total party-miles, 106 (18 on foot, 88 by car). Mallard, 54; Rough-legged Hawk, 6; Ferruginous Hawk, 1; Pigeon Hawk, 1 [no details—Ed.]; Greater Prairie Chicken, 44; Sharp-tailed Grouse, 25; Ring-necked Pheasant, 38; Wilson's Snipe, 3; Horned Owl, 5; Long-eared Owl, 1; Belted Kingfisher, 1; Downy Woodpecker, 4; Horned Lark, 46; Am. Magpie, 8; Am. Crow, 139; Black-capped Chickadee, 8; Golden-crowned Kinglet, 8; Common Starling, 41; House Sparrow, 111; Western Meadowlark, 5; Red-winged Blackbird, 240; Pine Siskin, 12; Am. Goldfinch, 7; Am. Tree Sparrow, 362. **Total,** 24 species; about 1170 individuals. (In area Jan. 1: Mourning Dove, Carolina Wren, Am. Robin, Townsend's Solitaire, Cedar Waxwing, Oregon Junco.)—Richard M. Delfs, Earl W. Glandon (compiler).

405. Valentine National Wildlife Refuge, Valentine, Nebr. (same area as last year; range land 85%, marsh and water 13%, willow brush 1%, deciduous woodlots 1%).—Dec. 29; 8 a.m. to 5 p.m. Clear; temp. 20° to 30°; wind S, 15 m.p.h.; lakes frozen except small area on Pelican and Hackberry Lakes, few snow patches. One observer. Total hours, 9 (2 on foot, 7 by car); total miles, 43 (3 on foot, 40 by car). Mallard, 3; Lesser Scaup, 1; Am. Goldeneye, 10; Cooper's Hawk, 1; Rough-legged Hawk, 9; Golden Eagle, 2; Bald Eagle, 1; Marsh Hawk, 4; Greater Prairie Chicken, 2; Sharp-tailed Grouse, 184; Bob-white, 12; Ring-necked Pheasant, 280; Am. Coot, 1; Screech Owl, 1; Horned Owl, 2; Downy Woodpecker, 4; Horned Lark, 15; Am. Magpie, 6; Am. Crow, 2; Black-capped Chickadee, 2; Common Starling, 5; House Sparrow, 30; Red-winged Blackbird, 6; Oregon Junco, 2; Am. Tree Sparrow, 465; Lapland Longspur, 20. **Total,** 26 species; about 1070 individuals.—George L. Wiseman.

406. Baldwin, Kans. (7½-mile radius centering 2 miles north of junction of highways 50 and 59, including Lone Star and Baldwin Lakes, Vinland Cemetery; open farmland 45%, wooded creeks 35%, town and suburbs 5%, lake shore 10%, cedar groves 5%).—Dec. 27; 7:30 a.m. to 5 p.m. Cloudy and misty to rain in p.m.; temp. 41° to 35°; wind NW, 5-10 m.p.h. Nineteen observers in 3 parties and 1 at feeding station. Total party-hours, 22 (12 on foot, 10 by car); total party-miles, 122 (17 on foot, 105 by car). Cooper's Hawk, 1; Red-tailed Hawk, 10; Harlan's Hawk, 3; Marsh Hawk, 2; Sparrow Hawk, 3; Bob-white, 13; Mourning Dove, 29; Horned Owl, 2; Long-eared Owl, 4; Belted Kingfisher, 1; Yellow-shafted Flicker, 25; Red-bellied Woodpecker, 24; Red-headed Woodpecker, 8; Hairy Woodpecker, 8; Downy Woodpecker, 27; Horned Lark, 59; Blue Jay, 67; Am. Crow, 65; Black-capped Chickadee, 83; Tufted Titmouse, 27; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 2; Brown Creeper, 5; Winter Wren, 1; Carolina Wren, 21; Mockingbird, 7; **Am. Robin,** 424; Eastern Bluebird, 38; Golden-crowned Kinglet, 1; Cedar Waxwing, 143; Loggerhead Shrike, 2; Common Starling, 410; House Sparrow, 334; meadowlark (sp.), 129; **Red-winged Blackbird,** 100; **Rusty Blackbird,** 1; **Brewer's Blackbird,** 110;

Brown-headed Cowbird, 10; Cardinal, 155; Purple Finch, 7; Pine Siskin, 5; Am. Goldfinch, 328; Spotted Towhee, 7; **Savannah Sparrow,** 6; Slate-colored Junco, 624; Am. Tree Sparrow, 262; Field Sparrow, 1; Harris's Sparrow, 118; White-crowned Sparrow, 16; White-throated Sparrow, 2; Fox Sparrow, 3; Swamp Sparrow, 1; Song Sparrow, 53. **Total,** 53 species; about 3790 individuals.—Amelia J. Betts, Mr. and Mrs. I. L. Boyd, Mr. and Mrs. Geo. Boicourt, Phoebe Emery, Mr. and Mrs. T. A. Evans, Katharine Kelley, R. F. Miller, Robert and Vernon Danley, Jim Deel, Gary Fundis, Michael Horn, Karl Johnson, Bill Kapelle, Danny Rogers, Bruce White (Baldwin Bird Club, Troop 65 Boy Scouts).

407. Goddard, Kans. (area south of town from Schulte west to Lake Afton and north to Goddard; plowed fields 25%, stubble 15%, grassland 10%, woodland 35%, scrub 15%).—Dec. 28; 7:15 a.m. to 5:45 p.m. Cloudy, partly clear in middle of day; temp. 24° to 34°; wind NE to NNW, 25-40 m.p.h.; lake water rough. One observer. Total hours, 10½ (10 on foot, ½ by car); total miles, 27 (15 on foot, 12 by car). **Goshawk,** 1 (carefully studied); Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 1; Yellow-shafted Flicker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 7; Horned Lark, 139; Am. Crow, 232; Black-capped Chickadee, 20; Tufted Titmouse, 1; Carolina Wren, 1; Am. Robin, 1; Common Starling, 19; House Sparrow, 3; meadowlark (sp.), 75; Red-winged Blackbird, 26; Cardinal, 11; Pine Siskin, 31; Am. Goldfinch, 51; Slate-colored Junco, 125; Oregon Junco, 1; Am. Tree Sparrow, 47; Harris's Sparrow, 135; Song Sparrow, 20; Lapland Longspur, 4. **Total,** 28 species; about 960 individuals.—Edward Beals.

408. Halstead, Kans. (7½-mile radius centered 1 mile west of Halstead, including portions of Emma and Kissawa Creeks and Little Arkansas River; wooded creeks and river 53%, hedgerows 12%, open farmland and meadow 28%, weedy slough 5%, town and cemetery 2%).—Dec. 31; 7:45 a.m. to 5:45 p.m. Clear, ground frozen, no snow; temp. 14° to 42°; wind S, 3-10 m.p.h.; creeks and river partly iced, hoar frost heavy. Six observers in 3 parties plus 2 part time at feeders. Total party-hours, 24 (14 on foot, 10 by car); total party-miles, 127 (7 on foot, 120 by car). Mallard. 8; Red-tailed Hawk, 22; buteo (sp.), 5; Rough-legged Hawk, 10; Marsh Hawk, 8; Sparrow Hawk, 13; Ring-necked Pheasant, 4; Mourning Dove, 2; Horned Owl, 8; Yellow-shafted Flicker, 19; Red-shafted Flicker, 1; Red-bellied Woodpecker, 9; Hairy Woodpecker, 9; Downy Woodpecker, 26; Horned Lark, 592; Blue Jay, 1; Am. Crow, 802; Black-capped Chickadee, 63; Tufted Titmouse, 24; Red-breasted Nuthatch, 1; Brown Creeper, 4; Carolina Wren, 7; Mockingbird, 1; Am. Robin, 9; Eastern Bluebird, 1; Townsend's Solitaire, 1; Golden-crowned Kinglet, 13; Loggerhead Shrike, 3; Common Starling, 470; House Sparrow, 613; Western Meadowlark, 126; Red-winged Blackbird, 1177; Purple Grackle, 2; Cardinal, 79; Pine Siskin, 12; Am. Goldfinch, 83; Slate-colored Junco, 415; Oregon Junco, 3; Am. Tree Sparrow, 508; **Harris's Sparrow,** 421; Song Sparrow, 46. **Total,** 40 species; about 5621 individuals. (In area during count dates: Field Sparrow, Belted Kingfisher, Rusty Blackbird, Bob-white.)—Mr. and Mrs. A. R. Challans, Marie and W. M. Dettweiler, Mrs. Walton Goode, Ruth Rose, Alma Ruth, Edna Ruth (compiler).

409. Hays, Kans. (college campus and farm, Cedar Bluffs on Saline River; wooded campus and creek 30%, farm fields and pasture 20%, 12-mile highway over prairie upland 10%, wooded limestone cliffs and river 40%).—Dec. 27; 7 a.m. to 5 p.m. Cloudy; temp. 30° to 31°; wind N, 20 m.p.h.; freezing mist a.m., snow p.m., still water frozen, running water open. Fifteen observers in 1 party. Total party-hours, 150 (135 on foot, 15 by car); total party-miles, 300 (120 on foot, 180 by car); [party-hours and party-miles given impossible unless group split into several parties—Ed.]. Ferruginous Hawk, 1; Bald Eagle, 3; Marsh Hawk, 1; Prairie Falcon, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 24; Horned Owl, 3; Belted Kingfisher, 2; Red-shafted Flicker, 6; Hairy Woodpecker, 2; Downy Woodpecker, 4; Horned Lark, 42; Am. Magpie, 1; Am. Crow, 9; Black-capped Chickadee, 35; White-breasted Nuthatch, 1; Brown Thrasher, 1; Am. Robin, 15; Townsend's Solitaire, 3; Cedar Waxwing, 25; Common Starling, 18; House Sparrow, 300; Western Meadowlark, 57; Cardinal, 2; Vesper Sparrow, 4; Slate-colored Junco, 72; Am. Tree Sparrow, 4; Song Sparrow, 10. **Total,** 28 species; about 648 individuals.—Eldon Becker, Thomas Olson, Harold S. Choguill, Al M. Schenk, Wes Wikoff, Bob Helton, Emmet Stopher, Gerald Tomanek, Edwin P. Martin, Ted L. Jury, L. D. Wooster (compiler), Charles Choguill, Emmet Stopher, Jr., John Stopher, Chris Woelk.

410. Lawrence, Kans. (same area as past years).—Dec. 26; 7:30 a.m. to 5 p.m. Partly cloudy, light rain at 11 a.m.; temp. 56° to 59°; wind SSE, 8-12 m.p.h.; ground dry, water open, many insects flying. Fourteen observers in 6 parties. Total party-hours, 46 (29 on foot, 17 by car); total party-miles, 219 (35 on foot, 184 by car). Cooper's Hawk, 1; Red-tailed Hawk, 30; Harlan's Hawk, 3; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 6; Sparrow Hawk, 31; Bob-white, 21; Killdeer, 5; Mourning Dove, 107; Screech Owl, 1; Horned Owl, 15; Yellow-shafted Flicker, 64; Red-bellied Woodpecker, 70; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 54; Horned Lark, 55; **Rough-winged Swallow,** 1 (carefully identified—W.H.); Blue Jay, 74; Am. Crow, 177; Black-capped Chickadee, 254; Tufted Titmouse, 36; Brown Creeper, 3; Carolina Wren, 32; Mockingbird, 4; Am. Robin, 397; Eastern Bluebird, 84; Golden-crowned Kinglet, 6; Cedar Waxwing, 12; Loggerhead Shrike, 15; Common Starling, 660; House Sparrow, 902; Eastern Meadowlark, 1; Western Meadowlark, 3; meadowlark (sp.), 195; Red-winged Blackbird, 101; **Rusty Blackbird,** 4; Cardinal, 181; Purple Finch, 3; Pine Siskin, 809;

Am. Goldfinch, 251; Eastern Towhee, 5; Spotted Towhee, 11; Savannah Sparrow, 25; Leconte's Sparrow, 18; Slate-colored Junco, 702; Oregon Junco, 6; Am. Tree Sparrow, 1186; Field Sparrow, 3; Harris's Sparrow, 163; White-crowned Sparrow, 94; White-throated Sparrow, 18; Lincoln's Sparrow, 1; Swamp Sparrow, 4; Song Sparrow, 260; Lapland Longspur, 120. **Total,** 57 species; about 7297 individuals.—Mrs. Ethan Allen, Mrs. L. E. Anderson, Rollin H. Baker, Bert S. Chewning (compiler), Helen M. Chewning, Henry S. Fitch, Richard W. Fredrickson, Mr. and Mrs. Wess Hunn, Ethel M. Martin, Robert M. Mengel, Robert L. Quinsey, Harrison B. Tordoff, South G. VanHoose.

411. Linn County, Kans. (same area as past years).—Dec. 26; 6:30 a.m. to 5 p.m. Overcast; temp. 60° to ?°; wind SW, 20-30 m.p.h.; water open. Eleven observers in 5 parties. Total party-hours, 27 (19 on foot, 8 by car); total party-miles, 91 (14 on foot, 77 by car). Mallard, 530; Red-tailed Hawk, 19; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Marsh Hawk, 11; Bob-white, 28; Mourning Dove, 4; Horned Owl, 3; Barred Owl, 1; Yellow-shafted Flicker, 26; Red-shafted Flicker, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 29; Red-headed Woodpecker, 10; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 5; Downy Woodpecker, 28; Horned Lark, 41; Blue Jay, 25; Am. Crow, 197; Black-capped Chickadee, 76; Tufted Titmouse, 50; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 1; Brown Creeper, 1; Carolina Wren, 33; Mockingbird, 15; Am. Robin, 80; Eastern Bluebird, 31; Golden-crowned Kinglet, 1; Cedar Waxwing, 29; Loggerhead Shrike, 10; Common Starling, 291; House Sparrow, 107; meadowlark (sp.), 86; Red-winged Blackbird, 780; Rusty Blackbird, 107; Cardinal, 152; Purple Finch, 2; Am. Goldfinch, 214; Savannah Sparrow, 3; Slate-colored Junco, 225; Oregon Junco, 6; Am. Tree Sparrow, 88; Field Sparrow, 12; Harris's Sparrow, 44; White-crowned Sparrow, 110; Fox Sparrow, 7; Song Sparrow, 31. **Total,** 49 species; about 3563 individuals. (Seen just outside area on this date: White-winged Crossbill, 2; during week: Belted Kingfisher, Prairie Falcon, Brown-headed Cowbird.)—Wilson Dingus, Eunice Dingus (compiler), Frank Wood, Ivan Sutton, Ruth D. Fauhl, Robert W. Weese, John S. Carr, M. Ellen Dingus, Gary Stone, Wilma Carr, Mary Alice Wood (Linn County Audubon Society).

412. Olathe, Kans. (7½-mile radius centering at junction of highways 50 and 7, including Olathe Lake and Reservoir, Gardner Lake; wooded creeks and wasteland 65%, open fields and fencerows 25%, lake shore 5%, cedar groves 5%).—Jan. 1; 7 a.m. to 5 p.m. Clear; temp. 38° to 48°; wind S, 5-10 m.p.h.; creeks and lakes frozen, 2-in. snow melting by noon. Seven observers in 2 parties. Total party-hours, 13 (10 on foot, 3 by car); total party-miles, 58 (12 on foot, 46 by car). Cooper's Hawk, 1; Red-tailed Hawk, 5; Marsh Hawk, 1; Sparrow Hawk, 4; Bob-white, 1; Wilson's Snipe, 1; Mourning Dove, 45; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 7; Red-shafted Flicker, 2; Red-bellied Woodpecker, 9; Hairy Woodpecker, 3; Downy Woodpecker, 14; Horned Lark, 124; Blue Jay, 26; Am. Crow, 34; Black-capped Chickadee, 40; Tufted Titmouse, 11; Red-breasted Nuthatch, 2; Brown Creeper, 1; Winter Wren, 2; Carolina Wren, 12; Mockingbird, 2; Am. Robin, 21; Eastern Bluebird, 16; Golden-crowned Kinglet, 1; Loggerhead Shrike, 1; Common Starling, 194; House Sparrow, 367; Eastern Meadowlark, 10; meadowlark (sp.), 59; Red-winged Blackbird, 6; Cardinal, 119; Am. Goldfinch, 53; Savannah Sparrow, 5; Slate-colored Junco, 257; Oregon Junco, 1; Am. Tree Sparrow, 255; Harris's Sparrow, 88; White-crowned Sparrow, 10; Fox Sparrow, 8; Lincoln's Sparrow, 4; Song Sparrow, 167; Lapland Longspur, 11. **Total,** 45 species; about 2004 individuals.—Amelia Betts, Mr. and Mrs. Ivan L. Boyd, Jack Crane, Katharine Kelley, R. F. Miller, Ray Wackly.

413. St. Marys—Belvue, Kans. (7½-mile radius centering on intersection of highways 24, 40 and 63 in St. Marys; upland pasture 20%, wooded creek-bottom 20%, wooded riverbottom 18%, brush and weed-covered waste land 18%, plowed land 18%, open sand bars 3%, park 3%).—Dec. 30; 7 a.m. to 4:30 p.m. Clear to party cloudy; temp. 20° to 35°; wind WNW to ESE, 0-4 m.p.h.; scattered remains of snow, ponds frozen, Kansas River 1/3 frozen with much ice floating down stream, Pawnee Creek dry. Three observers in 2 parties. Total party-hours, 14 (10 on foot, 4 by car); total party-miles, 86 (14 on foot, 72 by car). Red-tailed Hawk, 11; Marsh Hawk, 4; Sparrow Hawk, 4; Greater Prairie Chicken, 1; Mourning Dove, 36; Horned Owl, 6; Belted Kingfisher, 2; Yellow-shafted Flicker, 36; Red-shafted Flicker, 5; flicker (sp.), 3 (probably hybrids, J.A.M.); Red-bellied Woodpecker, 19; Red-headed Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 17; Horned Lark, 36; Blue Jay, 9; Am. Crow, 39; Black-capped Chickadee, 103; Tufted Titmouse, 19; Brown Creeper, 5; Carolina Wren, 4; Am. Robin, 194; Eastern Bluebird, 26; **Townsend's Solitaire,** 1; Common Starling, 29; House Sparrow, 79; Eastern Meadowlark, 4; Western Meadowlark, 6; meadowlark (sp.), 29; Red-winged Blackbird, 1; Cardinal, 66; Pine Siskin, 18; Am. Goldfinch, 41; Spotted Towhee, 17; Slate-colored Junco, 153; Oregon Junco, 3; Am. Tree Sparrow, 342; Field Sparrow, 1; Harris's Sparrow, 186; White-crowned Sparrow, 2; Song Sparrow, 37; Lapland Longspur, 92; Smith's Longspur, 1 (broad white bands of outer tail feathers seen in comparison with Lapland Longspurs in same flock). **Total,** 41 species; about 1691 individuals. (Seen in area Dec. 24: Bob-white, 1; Dec. 26: Mallard, 19; Red-winged Blackbird, 162; Dec. 29: Brown Thrasher, 1; Loggerhead Shrike, 1; Jan. 2: Harlan's Hawk, 1; Golden-crowned Kinglet, 2.)—D. Eugene Enos, Thomas A. Hoffman (compiler), James A. Mulligan.

414. Topeka, Kans. (7½-mile radius centering on State House, including Lake Shawnee, Rochester and Mt. Hope Cemeteries, Gage and Central Parks,

SBA grounds, Audubon Bird Sanctuary, Shunganunga and Soldier creeks, Municipal Airport; farm woodlots and feed yards 50%, grasslands 20%, lake and stream shores 20%, marsh and weeds 10%).—Jan. 1; 8 a.m. to 5 p.m. Clear; temp. 25° to 54°; wind variable, 1-5 m.p.h.; traces of snow, thin ice in protected areas of Lake Shawnee. Twenty-seven observers in 12 parties. Total party-hours, 170 (54 on foot, 116 by car); total party-miles, 315 (35 on foot, 280 by car). Mallard, 2500; Black Duck, 1; Gadwall, 2; Pintail, 3, Green-winged Teal, 5; Redhead, 3; Lesser Scaup, 4; Hooded Merganser, 2; Am. Merganser, 230; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 4; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 5; Sparrow Hawk, 4; Greater Prairie Chicken, 23; Bob-white, 35; Am. Coot, 9; Killdeer, 1; Am. Woodcock, 1; Mourning Dove, 21; Horned Owl, 3; Belted Kingfisher, 4; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 9; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 11; Horned Lark, 27; Blue Jay, 19; Am. Crow, 46; Black-capped Chickadee, 17; Tufted Titmouse, 10; Red-breasted Nuthatch, 6; Brown Creeper, 4; Winter Wren, 4; Carolina Wren, 3; Brown Thrasher, 1; Am. Robin, 44; Eastern Bluebird, 19; Golden-crowned Kinglet, 3; Cedar Waxwing, 23; Loggerhead Shrike, 3; Common Starling, 1500; House Sparrow, 350; Eastern Meadowlark, 7; Western Meadowlark, 8; meadowlark (sp.), 17; Brewer's Blackbird, 55; Purple Grackle, 1; Brown-headed Cowbird, 7; Cardinal, 33; Pine Siskin, 21; Am. Goldfinch, 69; Eastern Towhee, 1; Spotted Towhee, 12; Vesper Sparrow, 1; Slate-colored Junco, 91; Am. Tree Sparrow, 350; Field Sparrow, 3; Harris's Sparrow, 31; White-crowned Sparrow, 1; White-throated Sparrow, 1; Fox Sparrow, 1; Lincoln's Sparrow, 4; Swamp Sparrow, 6; Song Sparrow, 48. **Total,** 67 species; about 5740 individuals. (Seen in area Jan. 2: Am. Widgeon, Am. Golden-eye, Townsend's Solitaire.)—Mrs. H. S. Blake, L. B. Carson (compiler), Elizabeth Fisher, Roberta Foote, C. L. Franklin, Grace Holcombe, Carl and David Holmes, Mrs. Walter Huxman, Florence McKinney, Helen Meister, Mrs. Nyle Miller, Betty Marion, T. W. Nelson, Orville O. Rice, Franklin Rose, Hugo Rolf, Marvin and Leland Rolf, Joyce Thompson, Margaret Thompson, Mr. and Mrs. L. G. Thorpe, Nan Van Doren, Harold Williams, Bea Swenson, Muriel Young (Topeka Audubon Society).

415. Wichita (east), Kans. (same area since 1945, this year excluding parks and cemetery within city limits; lake 10%, deciduous woodlots 55%, sloughs and marshes 5%, open fields and brushland 30%).—Dec. 29; 6:45 a.m. to 5:15 p.m. Overcast, clearing by noon; temp. 26° to 42°; wind NW, 18-24 m.p.h.; ground dry, water open, small creeks and part of lake dry. Two observers in 1 party. Total party-hours, 10½ (9 on foot, 1½ by car); total party-miles, 57 (15 on foot, 42 by car). Mallard, 19; Hooded Merganser, 2; Cooper's Hawk, 1; Red-tailed Hawk, 7; Harlan's Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 6; Horned Owl, 3; Yellow-shafted Flicker, 14; Red-shafted Flicker, 2; Red-bellied Woodpecker, 13; Hairy Woodpecker, 3; Downy Woodpecker, 14; Horned Lark, 72; Blue Jay, 3; Am. Crow, 140; Black-capped Chickadee, 183; Tufted Titmouse, 19; White-breasted Nuthatch, 1; Brown Creeper, 2; Winter Wren, 2; Carolina Wren, 3; Am. Robin, 401; Eastern Bluebird, 5; Golden-crowned Kinglet, 9; Loggerhead Shrike, 2; Common Starling, 45; House Sparrow, 37; Eastern and Western Meadowlark, 31; Cardinal, 55; Am. Goldfinch, 18; Eastern Towhee, 1; Spotted Towhee, 3; Slate-colored Junco, 226; Oregon Junco, 5; Am. Tree Sparrow, 302; Harris's Sparrow, 106; Song Sparrow, 36; Lapland Longspur, 2. **Total,** 41 species; about 1797 individuals.—Ray L. Keller, Harry L. Hobson (compiler).

416. Wichita, Kans. (7½-mile radius centering in northwest part of city at junction of Arkansas and Little Arkansas Rivers, including Oak and Sims Parks, Maple Grove Cemetery, Beech Lake, sections of Cow Skin Creek and Big Slough; parks and residential 22%, wooded creeks and rivers 52%, open farmland 13%, dry slough and wasteland 9%, lake shore 4%). —Jan. 2; 7:30 a.m. to 5:30 p.m. Clear; temp. 28° to 59°; wind S to SE, 5-27 m.p.h.; ground dry, nearly all water open. Twenty-eight observers in 6 parties. Total party-hours, 52 (41 on foot, 11 by car); total party-miles, 247 (44 on foot, 203 by car). Mallard, 7; Red-tailed Hawk, 7; Rough-legged Hawk, 5; Marsh Hawk, 3; Peregrine Falcon, 1; Sparrow Hawk, 7; falcon (sp.), 2; Ring-necked Pheasant, 5; Killdeer, 12; Wilson's Snipe, 3; Mourning Dove, 3; Horned Owl, 2; Barred Owl, 1; Belted Kingfisher, 15; Yellow-shafted Flicker, 12; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 18; Horned Lark, 25; Blue Jay, 3; Am. Crow, 447; Black-capped Chickadee, 71; Carolina Chickadee, 30; chickadee (sp.), 70; Tufted Titmouse, 25; Red-breasted Nuthatch, 1; Brown Creeper, 7; Winter Wren, 1; Carolina Wren, 7; Brown Thrasher, 1; Am. Robin, 14; Eastern Bluebird, 11; Townsend's Solitaire, 1; Golden-crowned Kinglet, 14; Cedar Waxwing, 36; Loggerhead Shrike, 4; Common Starling, 3255; House Sparrow, 584; Eastern Meadowlark, 1; Western Meadowlark, 3; meadowlark (sp.), 220; Red-winged Blackbird, 162; Brewer's Blackbird, 37; Cardinal, 42; Am. Goldfinch, 74; Spotted Towhee, 7; Slate-colored Junco, 244; Oregon Junco, 5; Am. Tree Sparrow, 134; Chipping Sparrow, 1; Harris's Sparrow, 145; White-crowned Sparrow, 15; White-throated Sparrow, 1; Song Sparrow, 114. **Total,** 52 species; about 6034 individuals.—Frank Bayless, Norma Bayless, Gerold Bjork, Albert Briggs, Pearlanna Briggs, Betty Belle Butin, J. Walker Butin, Alice Davis, Kirk Downing, James Dresser, Jean Dresser, Dick Elving, Dorothy Hutson, Dan Kilby, Mrs. Roy Kingkade, A. T. Mueller, Helen Mueller, Lyman Mueller, Willard Peters, Kay Peters, June Rynders, Paul Schweinfurth, William Stark, Rita Stogsdill, Jennibelle Watson, Ralph Wiley, Elmer Woolsey, Louise Woolsey (Wichita Audubon Society).

417. Broken Bow, Okla. (15,200-acre McCurtain County State Game Preserve 37 miles north of

Broken Bow; virgin oak and pine forest 95%, river and creek bottoms 5%).—Dec. 30; 8 a.m. to 4:30 p.m. Overcast; temp. 30° to 40°; no wind. Two observers in 1 party. Total party-hours, 8 (4 on foot, 4 by car); total party-miles, 42 (4 on foot, 38 by car). Turkey Vulture, 2; Red-tailed Hawk, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Pileated Woodpecker, 9; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 1; Red-cockaded Woodpecker, 2; Eastern Phoebe, 1; Blue Jay, 2; Am. Crow, 5; Carolina Chickadee, 4; Tufted Titmouse, 2; White-breasted Nuthatch, 3; Brown-headed Nuthatch, 1; Winter Wren, 2; Carolina Wren, 3; Am. Robin, 3; Hermit Thrush, 1; Eastern Bluebird, 12; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 1; Pine Warbler, 2; Eastern Meadowlark, 2; Rusty Blackbird, 1; Cardinal, 2; Purple Finch, 5; Am. Goldfinch, 7; Slate-colored Junco, 14; White-crowned Sparrow, 15. **Total,** 32 species; 115 individuals.—Tom Jessee, Cepha Jessee (compiler) (Idabel Audubon Society).

418. Fort Gibson Reservoir (Muskogee Co.), Okla. (same area as last year; lake and river 25%, deciduous woodland 40%, open prairie 20%, agricultural 15%).—Jan. 2; 6:30 a.m. to 6:30 p.m. Clear a.m., overcast p.m.; temp. 35° to 64°; wind S, 0-10 m.p.h.; no snow, water open. Four observers in 1 party. Total party-hours, 12 (8 on foot, 4 by car); total party-miles, 82 (6 on foot, 76 by car). Pied-billed Grebe, 4; Double-crested Cormorant, 1; Great Blue Heron, 5; Mallard, 650; Hooded Merganser, 47; Am. Merganser, 78; Turkey Vulture, 1; Cooper's Hawk, 1; Red-tailed Hawk, 5 (1 pure white, seen almost daily for over a month—V.A.T.); Golden Eagle, 1 (dead); Bald Eagle, 5; Marsh Hawk, 4; Sparrow Hawk, 1; **Greater Prairie Chicken,** 12; Killdeer, 18; Wilson's Snipe, 14; Herring Gull, 2; Ring-billed Gull, 575; Road-runner, 1 (collected); Barred Owl, 2; Belted Kingfisher, 6; Yellow-shafted Flicker, 73; Pileated Woodpecker, 2; Red-bellied Woodpecker, 11; Hairy Woodpecker, 6; Downy Woodpecker, 24; Horned Lark, 162; Blue Jay, 55; Am. Crow, 235; Carolina Chickadee, 48; Tufted Titmouse, 16; White-breasted Nuthatch, 7; Brown Creeper, 5; Winter Wren, 4; Carolina Wren, 23; **Rock Wren,** 1 (carefully identified at close range; familiar with species—J.L.N.); Mockingbird, 2; Am. Robin, 46; Eastern Bluebird, 43; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 12; Common Starling, 17; Myrtle Warbler, 5; House Sparrow, 170; Eastern Meadowlark, 66; Red-winged Blackbird, 230; Cardinal, 72; Purple Finch, 15; Am. Goldfinch, 375; Savannah Sparrow, 3; Vesper Sparrow, 2; Slate-colored Junco, 260; Am. Tree Sparrow, 225; Field Sparrow, 4; White-throated Sparrow, 4; Swamp Sparrow, 1; Song Sparrow, 30; Lapland Longspur, 12. **Total,** 59 species; about 3711 individuals. (Fresh tracks of additional Road-runner seen. In area during count period: Horned Grebe, 4; Am. Rough-legged Hawk, 1.)—Marion B. Norman, J. L. Norman (compiler), Vivian Travis, Vaud A. Travis.

419. Norman, Okla. (7½-mile radius centering in Section 26, 3½ miles east of Highway 77 and ½ mile north of Highway 9; floodplain weeds and open sand 20%, oak scrub forest 20%, open pasture 20%, weedy roadside 10%, elm-cottonwood-pecan bottomland 10%, cultivated land 5%, ponds and small lakes 5%, wood plots 5%, elm-oak-hickory-smilax ravines 5%).—Jan. 2; 5:45 a.m. to 5:30 p.m. Partly cloudy; temp. 35° to 50°; wind S, 0-10 m.p.h.; 4-6-in. crusted snow, thin ice on ponds, small lakes and river not frozen. Nineteen observers in 10 parties. Total party-hours, 36 (27 on foot, 9 by car); total party-miles, 142 (32 on foot, 110 by car). Mallard, 8; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 13; Rough-legged Hawk, 5; Marsh Hawk, 6; Prairie Falcon, 1; Sparrow Hawk, 4; Bobwhite, 40; Killdeer, 7; Wilson's Snipe, 5; unidentified sandpipers, 2 (probably Least, 2 identified same location Jan. 6); Mourning Dove, 3; Road-runner, 1 (fresh tracks of another); Screech Owl, 2; Horned Owl, 3; Barred Owl, 3; Belted Kingfisher, 3; Yellow-shafted Flicker, 37; Red-shafted Flicker, 4; Pileated Woodpecker, 1; Red-bellied Woodpecker, 15; Red-headed Woodpecker, 15; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 14; Downy Woodpecker, 10; Horned Lark, 216; Blue Jay, 117; Am. Crow, 363; Carolina Chickadee, 172; Tufted Titmouse, 108; White-breasted Nuthatch, 3; Brown Creeper, 5; Winter Wren, 1; Bewick's Wren, 6; Carolina Wren, 22; Mockingbird, 13; Am. Robin, 513; Hermit Thrush, 1; Eastern Bluebird, 125; Golden-crowned Kinglet, 8; Water Pipit, 1; **Sprague's Pipit,** 3 (1 collected); Cedar Waxwing, 53; Loggerhead Shrike, 19; Common Starling, 887; Myrtle Warbler, 30; House Sparrow, 383; Eastern Meadowlark, 6; Western Meadowlark, 3; unidentified meadowlark, 560; Red-winged Blackbird, 3025; Rusty Blackbird, 1; Brewer's Blackbird, 2; Cardinal, 102; Purple Finch, 18; Am. Goldfinch, 119; Eastern Towhee, 3; Spotted Towhee, 14; Savannah Sparrow, 62; Vesper Sparrow, 9; Slate-colored Junco, 309; Oregon Junco, 7; Am. Tree Sparrow, 93; Field Sparrow, 76; Harris's Sparrow, 200; White-crowned Sparrow, 2; White-throated Sparrow, 10; Fox Sparrow, 7; Song Sparrow, 57; Lapland Longspur, 3; Chestnut-collared Longspur, 1; Smith's Longspur, 80. **Total,** 71 species; about 8023 individuals.—Charles C. Carpenter, Howard P. Clemens, Harold Cooksey, Hazel Cooksey, Stewart Crook, Beatrice Frank, Bobby Frank, Lawrence Frank, Jean W. Graber, Richard R. Graber, John C. Johnson, Jr. (compiler), Bob Jones, Glenn Jones, Mildred Page, David F. Parmelee, George M. Sutton, Ruth Updegraff, Lovie M. Whitaker, Johnny Wiens (Cleveland County Bird Club).

420. Oklahoma City, Okla. (almost same area as past years; lakes and ponds 30%, deciduous woodlots 55%, parks and residential 5%, roadsides and open fields 10%).—Jan. 2; 7 a.m. to 5:30 p.m. Overcast; temp. 33° to 50°; wind S to SW, 15 m.p.h.; 6-in. old snow. Fourteen observers in 5 parties. Total party-hours, 33 (15 on foot, 18 by car); total party-miles, 329 (23 on foot, 306 by car). Pied-billed Grebe, 1; Great Blue Heron, 10; Canada

Goose, 9; Mallard, 1789; Pintail, 10; Shoveller, 1; Lesser Scaup, 4; Ruddy Duck, 1; Am. Merganser, 453; Cooper's Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 6; Bob-white, 20; Am. Coot, 27; Killdeer, 12; Herring Gull, 4; Ring-billed Gull, 49; **Franklin's Gull,** 27 (dusky head, patch on eye, wing patch); Mourning Dove, 1; Horned Owl, 2; Barred Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 29; Red-shafted Flicker, 5; Red-bellied Woodpecker, 35; Red-headed Woodpecker, 4; Hairy Woodpecker, 16; Downy Woodpecker, 32; Blue Jay, 180; Am. Crow, 254; Carolina Chickadee, 229; Tufted Titmouse, 110; White-breasted Nuthatch, 1; Brown Creeper, 6; Bewick's Wren, 7; Carolina Wren, 15; Mockingbird, 39; Brown Thrasher, 2; Am. Robin, 777; Eastern Bluebird, 32; Golden-crowned Kinglet, 7; Cedar Waxwing, 26; Loggerhead Shrike, 3; Common Starling, 55; Myrtle Warbler, 1; House Sparrow, (number?—Ed.); Eastern Meadowlark, 401; Red-winged Blackbird, 200; Cardinal, 165; Am. Goldfinch, 319; Eastern Towhee, 2; Spotted Towhee, 81; Savannah Sparrow, 6; Slate-colored Junco, 143; Oregon Junco, 1; Am. Tree Sparrow, 12; Field Sparrow, 106; Harris's Sparrow, 544; White-crowned Sparrow, 4; White-throated Sparrow, 1; Fox Sparrow, 2; Lincoln's Sparrow, 3; Song Sparrow, 61. **Total,** 65 species; about 6356 individuals.—David Clark (compiler), Eliot Stanley, Phil Griffing, Burrage Warner, Wendell Long, John Montgomery, David Harden, James Street, Bill Ishmael, Larry Nichols, Mr. and Mrs. J. E. Martin, Sam Moore, Bernard Williams (Auchincloss Bird Club and Oklahoma City Audubon Society).

421. Salt Plains National Wildlife Refuge, Jet, Okla. (7½-mile radius centering at Refuge Headquarters; lake 50%, agricultural 20%, deciduous woodland 30%).—Jan. 1; 7:30 a.m. to 5:30 p.m. Clear; temp. 34° to 60°; wind calm. Thirteen observers in 3 parties. Total party-hours, 30 (11 on foot, 19 by car); total party-miles, 45 (11 on foot, 34 by car). White Pelican, 4; Great Blue Heron, 200; Canada Goose, 2400; Snow Goose, 4; Mallard, 5000; Am. Widgeon, 7; Green-winged Teal, 2; Redhead, 6; Lesser Scaup, 9; Ruddy Duck, 106; Am. Merganser, 12,000; Red-tailed Hawk, 5; Rough-legged Hawk, 3; Golden Eagle, 10; Bald Eagle, 44; Marsh Hawk, 2; Osprey, 1; Sparrow Hawk, 2; Bob-white, 30+; Ring-necked Pheasant, 10+; Killdeer, 13; Wilson's Snipe, 10; Lesser Yellow-legs, 4; sandpipers (sp.), 6; Herring Gull, 100; Ring-billed Gull, 2000+; Horned Owl, 3; Belted Kingfisher, 3; Yellow-shafted Flicker, 6; Red-shafted Flicker, 4; Red-bellied Woodpecker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 3; Am. Crow, 100; Carolina Chickadee, 69; Tufted Titmouse, 10; Bewick's Wren, 9; Carolina Wren, 3; Am. Robin, 11; Eastern Bluebird, 41; Golden-crowned Kinglet, 5; Cedar Waxwing, 30; Loggerhead Shrike, 3; Common Starling, 763; Myrtle Warbler, 1; House Sparrow, 63; Eastern and Western Meadowlark, 114; Red-winged Blackbird, 617; Cardinal, 171; Am. Goldfinch, 34; Spotted Towhee, 7; Savannah Sparrow, 2; Slate-colored Junco, 13; Am. Tree Sparrow, 129; Field Sparrow, 7; Harris's Sparrow, 231; White-crowned Sparrow, 84; Song Sparrow, 136. **Total,** 58 species; about 24,655 individuals. —Mr. and Mrs. Joe C. Creager, Frank Pieratt, Scott Bucker, Paul Nighswonger, Stanley Little, Addie Fromholz, Florel Helema, Lisle Byfield, Marge Stuart, Mrs. Schulke, Bess Smith, John B. Van den Akker (compiler).

422. Spavinaw, Okla. (area same as last year; open lake 20%, wooded creek bottoms 55%, oak-hickory hillsides 10%, roadside fields and pastures 15%).—Jan. 1; 6:30 a.m. to 5:30 p.m. Clear; temp. 40° to 62°; wind S, 0-5 m.p.h.; ground clear. Two observers in 1 party. Total party-hours, 11 (9 on foot, 2 by car); total party-miles, 28 (6 on foot, 22 by car). Pied-billed Grebe, 2; Great Blue Heron, 5; Mallard, 87; Hooded Merganser, 7; Am. Merganser, 320; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Bald Eagle, 3; Marsh Hawk, 1; Am. Coot, 200; Killdeer, 5; Wilson's Snipe, 2; Mourning Dove, 85; Barred Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 18; Pileated Woodpecker, 7; Red-bellied Woodpecker, 15; Red-headed Woodpecker, 13; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 20; Horned Lark, 230; Blue Jay, 64; Am. Crow, 43; Carolina Chickadee, 25; Tufted Titmouse, 28; White-breasted Nuthatch, 13; Brown Creeper, 7; Winter Wren, 4; Carolina Wren, 30; Mockingbird, 1; Am. Robin, 11; Hermit Thrush, 1; Eastern Bluebird, 46; Ruby-crowned Kinglet, 1; Water Pipit, 4; Cedar Waxwing, 24; Loggerhead Shrike, 2; Common Starling, 4; Myrtle Warbler, 3; House Sparrow, 140; Eastern Meadowlark, 26; Red-winged Blackbird, 90; Cardinal, 52; Purple Finch, 48; Am. Goldfinch, 81; Slate-colored Junco, 95; Field Sparrow, 17; White-throated Sparrow, 21; Fox Sparrow, 1; Song Sparrow, 8; Lapland Longspur, 75. **Total,** 54 species; about 1999 individuals.—Marion B. Norman, J. L. Norman.

423. Stillwater, Okla. (same area as previous years).—Dec. 26; 6:30 a.m. to 5:30 p.m. Cloudy, then clear; temp. 38° to 52°; wind SW to NW, 8-12 m.p.h.; ponds and larger reservoirs low or dry due to prolonged drought. Five observers in 2 parties. Total party-hours, 12 (10 on foot, 2 by car); total party-miles, 54 (11 on foot, 43 by car). Great Blue Heron, 2; Am. Merganser, 125; Red-tailed Hawk, 6; Marsh Hawk, 4; Prairie Falcon, 3; Sparrow Hawk, 4; Bob-white, 23; Killdeer, 3; Ring-billed Gull, 200; Mourning Dove, 3; Horned Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 26; Red-shafted Flicker, 4; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 28; Horned Lark, 5; Blue Jay, 26; Am. Crow, 30; Carolina Chickadee, 53; Tufted Titmouse, 27; White-breasted Nuthatch, 5; Brown Creeper, 8; Winter Wren, 1; Bewick's Wren, 3; Carolina Wren, 5; Mockingbird, 2; Brown Thrasher, 1; Am. Robin, 78; Eastern Bluebird, 19; Golden-crowned Kinglet, 1; Water Pipit, 150; Cedar Waxwing, 20; Loggerhead Shrike, 4; Common Starling, 125; House Sparrow, 445; Eastern Meadowlark, 41; Western Meadow-

lark, 5; meadowlark (sp.), 123; Red-winged Blackbird, 200; blackbird (sp.), 25; Cardinal, 48; Purple Finch, 3; Am. Goldfinch, 89; Spotted Towhee, 8; Savannah Sparrow, 2; Slate-colored Junco, 100; Oregon Junco (Pink-sided), 1; Am. Tree Sparrow, 45; Field Sparrow, 6; Harris's Sparrow, 103; White-crowned Sparrow, 1; Fox Sparrow, 1; Lincoln's Sparrow, 2; Song Sparrow, 18. **Total,** 55 species; about 2289 individuals.—F. M. Baumgartner (compiler), A. M. Baumgartner, K. H. Baumgartner, Gustav A. Bieberdorf, Mrs. Gustav A. Bieberdorf.

424. Tulsa, Okla. (same area as 1947 and subsequent years; Recreation Lake drained this year).—Dec. 26; 7 a.m. to 5 p.m. Light to heavy overcast; temp. 61° to 66°; wind S to SSW, 8-25 m.p.h.; no snow or ice. Thirty-one observers in 7 parties. Total party-hours, 54 (53 on foot, 1 by car); total party-miles, 64 (52 on foot, 12 by car). Great Blue Heron, 18; Mallard, 449; Lesser Scaup, 2; Am. Merganser, 450; Red-tailed Hawk, 8 (Krider's, 1); Red-shouldered Hawk, 6; Rough-legged Hawk, 1; Marsh Hawk, 5; Sparrow Hawk, 1; Bob-white, 60; Killdeer, 6; Wilson's Snipe, 8; Ring-billed Gull, 551; Horned Owl, 2; Barred Owl, 2; Belted Kingfisher, 5; Yellow-shafted Flicker, 46; Red-shafted Flicker, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 36; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 16; Downy Woodpecker, 47; Blue Jay, 48; Am. Crow, 198; Carolina Chickadee, 269; Tufted Titmouse, 143; White-breasted Nuthatch, 48; Brown Creeper, 15; Winter Wren, 2; Carolina Wren, 37; Mockingbird, 2; Am. Robin, 2140; Hermit Thrush, 1; Eastern Bluebird, 82; Golden-crowned Kinglet, 29; Cedar Waxwing, 266; Loggerhead Shrike, 1; Common Starling, 106; House Sparrow, 162; Eastern Meadowlark, 102; Red-winged Blackbird, 90; Rusty Blackbird, 100; Purple Grackle, 30; Brown-headed Cowbird, 49; Cardinal, 177; Purple Finch, 19; Am. Goldfinch, 153; Spotted Towhee, 5; Savannah Sparrow, 5; **Lark Sparrow,** 2 (D.O.K., L.E.); Slate-colored Junco, 320; Am. Tree Sparrow, 64; Field Sparrow, 67; Harris's Sparrow, 57; White-throated Sparrow, 36; Fox Sparrow, 17; Lincoln's Sparrow, 12; Swamp Sparrow, 18; Song Sparrow, 94. **Total,** 60 species (1 additional subspecies); about 6690 individuals. (Seen in area Jan. 1: Hooded Merganser, Herring Gull; Jan. 2: Green-winged Teal, 4; Mourning Dove, 4.)—Wayne Brown, H. D. Chase, Mr. and Mrs. C. L. Clote, C. L. Criswell, John C. Dickerson, Hartley G. Eckstrom, Mr. and Mrs. Ernest Esst, Bob Funston, John Getgood, Mrs. Roy Ginter, Mabel Hagan, Constance Kitchen, Mrs. Orrin W. Letson, Orrin W. Letson (compiler), Mr. and Mrs. D. O. Kassing, Mrs. Ralph Kelting, Donald L. Norling, Mr. and Mrs. Bruce Reynolds, Gaile Reynolds, Mr. and Mrs. H. C. Spore, Alfred Steitz, John S. Tomer, Mr. and Mrs. S. H. Watkins, John Watkins, Bess Smith.

425. Wichita Mountains Wildlife Refuge, Cache, Okla. (7½-mile radius centering on Refuge Headquarters, including French, Comanche and Grama Lakes, SW slope of Elk Mt., Buffalo Springs, Cedar Creek, Quanah Parker and Pecan Springs; lake shores 10%, creek bottoms 40%, Blackjack Oak and rocky hillside 15%, open prairie 35%).—Dec. 26; 7:15 a.m. to 5:50 p.m. Overcast; temp. 47° to 60°; wind S, 3-5 m.p.h.; lakes and ponds open. Two observers in 2 parties. Total party-hours, 17 (7 on foot, 10 by car); total party-miles, 96 (10 on foot, 86 by car). Pied-billed Grebe, 3; Mallard, 141; Gadwall, 160; Am. Widgeon, 134; Green-winged Teal, 32; Shoveller, 6; Ring-necked Duck, 6; Am. Golden-eye, 10; Buffle-head, 10; Hooded Merganser, 9; Am. Merganser, 30; Cooper's Hawk, 1; Red-tailed Hawk, 6; Golden Eagle, 6; Bald Eagle, 3; Marsh Hawk, 4; Sparrow Hawk, 1; Turkey, 18; Killdeer, 2; Mourning Dove, 6; Road-runner, 1; Horned Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 9; Red-shafted Flicker, 8; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 9; Horned Lark, 2; Blue Jay, 6; Am. Crow, 321; Carolina Chickadee, 43; Tufted Titmouse, 44; White-breasted Nuthatch, 4; Brown Creeper, 2; Bewick's Wren, 3; Carolina Wren, 8; Am. Robin, 7275 (7000 on roost); Eastern Bluebird, 45; Mountain Bluebird, 25; Townsend's Solitaire, 13; Golden-crowned Kinglet, 7; Cedar Waxwing, 7; Loggerhead Shrike, 1; Common Starling, 54; Myrtle Warbler, 8; House Sparrow, 5; meadowlark (sp.), 22; Red-winged Blackbird, 8; Rusty Blackbird, 75; Brewer's Blackbird, 258; Cardinal, 72; Pine Siskin, 19; Spotted Towhee, 2; Savannah Sparrow, 3; Slate-colored Junco, 243; Oregon Junco, 1; Am. Tree Sparrow, 16; Field Sparrow, 13; Song Sparrow, 6. **Total,** 62 species; about 9243 individuals.—Arthur F. Halloran (compiler), Ernest J. Greenwalt.

426. Wister Lake (LeFlore Co.), Okla. (area same as last year).—Dec. 26; 6 a.m. to 6:30 p.m. Light overcast; temp. 49° to 68°; wind variable, 0-15 m.p.h.; ground clear. Two observers in 1 party. Total party-hours, 12 (8½ on foot, 3½ by car); total party-miles, 74 (6 on foot, 68 by car). Pied-billed Grebe, 3; Great Blue Heron, 23; Mallard, 650; Turkey Vulture, 12; Red-tailed Hawk, 3 (1 melanistic); Bald Eagle, 1; Killdeer, 7; Mourning Dove, 3; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 22; Pileated Woodpecker, 4; Red-bellied Woodpecker, 6; Hairy Woodpecker, 2; Downy Woodpecker, 18; Blue Jay, 34; Am. Crow, 21; Carolina Chickadee, 29; Tufted Titmouse, 19; White-breasted Nuthatch, 1; Brown Creeper, 8; Winter Wren, 6; Carolina Wren, 16; Mockingbird, 7; Brown Thrasher, 1; Am. Robin, 19; Hermit Thrush, 1; Eastern Bluebird, 20; Golden-crowned Kinglet, 7; Water Pipit, 1; Cedar Waxwing, 15; Loggerhead Shrike, 12; Common Starling, 2; Myrtle Warbler, 5; House Sparrow, 33; Eastern Meadowlark, 45; Red-winged Blackbird, 78; Cardinal, 47; Purple Finch, 78; Am. Goldfinch, 42; Slate-colored Junco, 215; Field Sparrow, 17; Harris's Sparrow, 36; White-crowned Sparrow, 33; White-throated Sparrow, 41; Fox Sparrow, 25; Swamp Sparrow, 2; Song Sparrow, 28. **Total,** 48 species; about 1701 individuals.—Marion B. Norman, J. L. Norman (compiler).

427. Amarillo, Tex. (7½-mile radius centering on first water crossing of Prairie Dog Town Fork of Red River in Palo Duro State Park; prairie 2%, canyon walls 20%, stream beds with cottonwood-hackberry 30%, grassland-mesquite-juniper-cactus association 48%).—Jan. 2; 8 a.m. to 5 p.m. Cloudy to clear; temp. 37° to 63°; wind SW, 0-16 m p.h.; small patches of snow and ice in sheltered places, little water in streams. Twelve observers in 3 parties. Total party-hours, 20 (18 on foot, 2 by car); total party-miles, 59 (24 on foot, 35 by car). Mallard, 1; Pintail, 1; Golden Eagle, 4; Bob-white, 2; Scaled Quail, 15; Mourning Dove, 1; Belted Kingfisher, 4; Red-shafted Flicker, 14; Golden-fronted Woodpecker, 4; Yellow-bellied Sapsucker, 3; Ladder-backed Woodpecker, 11; Black-crested Titmouse, 8; Red-breasted Nuthatch, 1; Bewick's Wren, 10; Cañon Wren, 2; Rock Wren, 3; Mockingbird, 7; Sage Thrasher, 3; Am. Robin, 348; Eastern Bluebird, 10; Mountain Bluebird, 271; Townsend's Solitaire, 16; Blue-gray Gnatcatcher, 10; Golden-crowned Kinglet, 6; Cedar Waxwing, 1; Loggerhead Shrike, 3; House Sparrow, 1; Western Meadowlark, 1; Cardinal, 29; House Finch, 2; Pine Siskin, 251; Am. Goldfinch, 24; Spotted Towhee, 9; Vesper Sparrow, 1; **Rufous-crowned Sparrow,** 1 (I.D.A.); Slate-colored Junco, 6; Oregon Junco, 140; Gray-headed Junco, 26; junco (sp.), 55; Am. Tree Sparrow, 1; White-crowned Sparrow, 1; **Golden-crowned Sparrow,** 1 (D.F.); Song Sparrow, 16. **Total,** 42 species; about 1342 individuals. (In vicinity Dec. 30: Bald Eagle, Am. Tree Sparrow, Pine Siskin, Baird's Sparrow, Sparrow Hawk.)—Mrs. I. D. Acord (compiler), Joe H. Bailey, Joe Bailey, Doyle Foreman, Joe Browder, H. G. Gibson, Galen Gibson, Gared Gibson, Mr. and Mrs. Ed Moyer, Mrs. G. Waddill, Molly Waddill (Texas Panhandle Audubon Society).

428. Austin, Tex. (same area as last year; town 5%, river and lake 12%, cattail marsh 8%, wooded riverbottom 9%, farmland 2%, grassland 23%, cedar brakes 13%, mixed deciduous and cedar brush 26%, limestone slopes 2%).—Jan. 2; 7 a.m. to 6 p.m. Fog until 11 a.m., overcast; temp. 55° to 71°; wind SE, 1-14 m.p.h. Seven observers in 3 parties. Total party-hours, 30 (17 on foot, 13 by car); total party-miles, 134 (9 on foot, 125 by car). Pied-billed Grebe, 42; Double-crested Cormorant, 4; Great Blue Heron, 4; Gadwall, 380; Am. Widgeon, 120; Pintail, 52; Green-winged Teal, 17; Shoveller, 1; Ring-necked Duck, 34; Canvas-back, 21; Lesser Scaup, 6; Turkey Vulture, 16; Black Vulture, 11; Sharp-shinned Hawk, 2; Red-tailed Hawk, 2; Osprey, 1; Sparrow Hawk, 12; Florida Gallinule, 2; Am. Coot, 140; Killdeer, 19; Wilson's Snipe, 3; Spotted Sandpiper, 4; Ring-billed Gull, 9; Mourning Dove, 20; Road-runner, 1; Belted Kingfisher, 9; Yellow-shafted Flicker, 5; Red-shafted Flicker, 3; Red-bellied Woodpecker, 15; Golden-fronted Woodpecker, 8; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 1; Ladder-backed Woodpecker, 17; Eastern Phoebe, 13; Blue Jay, 26; Am. Crow, 18; Carolina Chickadee, 42; Black-crested Titmouse, 22; Red-breasted Nuthatch, 1; Brown Creeper, 10; House Wren, 2; Winter Wren, 1; Bewick's Wren, 31; Carolina Wren, 31; Cañon Wren, 4; Rock Wren, 1; Mockingbird, 60; Am. Robin, 800; Hermit Thrush, 2; Eastern Bluebird, 51; Mountain Bluebird, 1; Golden-crowned Kinglet, 28; Ruby-crowned Kinglet, 68; Water Pipit, 3; Cedar Waxwing, 51; Loggerhead Shrike, 1; Common Starling, 3; Orange-crowned Warbler, 2; Myrtle Warbler, 148; Pine Warbler, 7; Common Yellowthroat, 4; House Sparrow, 218; Eastern Meadowlark, 4; Western Meadowlark, 8; Red-winged Blackbird, 26; Boat-tailed Grackle, 2000; Brown-headed Cowbird, 15; Cardinal, 153; Purple Finch, 1; House Finch, 11; Am. Goldfinch, 475; Lesser Goldfinch, 36; Spotted Towhee, 46; Lark Sparrow, 3; Rufous-crowned Sparrow, 6; Slate-colored Junco, 213; Chipping Sparrow, 3; Field Sparrow, 88; White-throated Sparrow, 25; Lincoln's Sparrow, 3; Song Sparrow, 29. **Total,** 81 species; about 5777 individuals.—Mrs. J. Frank Dobie, Frances J. Gillotti, William Jennings, Bert W. Lindsay, Emma Leta Purcell, Ada Marie Webster, Fred S. Webster (compiler) (Travis Audubon Society).

429. Big Spring, Tex. (same area as previous 6 years).—Dec. 26; 7:30 a.m. to 6 p.m. Cloudy; temp. 56° to 74°; wind SW, 35-15 m.p.h.; water open. One observer. Total hours, 8½ (7 on foot, 1½ by car); total miles, 14 (7 on foot, 7 by car). Pied-billed Grebe, 5; Pintail, 24; Green-winged Teal, 1; Redhead, 3; Canvas-back, 3; Lesser Scaup, 7; Buffle-head, 1; Ruddy Duck, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 1; Bob-white, 4; Scaled Quail, 3; Killdeer, 17; Western Sandpiper, 10; Mourning Dove, 12; Horned Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 5; Ladder-backed Woodpecker, 9; Say's Phoebe, 2; White-necked Raven, 1; Black-crested Titmouse, 2; Verdin, 4; Common Bushtit, 15; Brown Creeper, 1; Bewick's Wren, 4; Mockingbird, 88; Curve-billed Thrasher, 1; Sage Thrasher, 7; Am. Robin, 394; Hermit Thrush, 2; Eastern Bluebird, 4; Mountain Bluebird, 280; Townsend's Solitaire, 3; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 11; Water Pipit, 10; Cedar Waxwing, 29; Loggerhead Shrike, 4; Myrtle Warbler, 9; House Sparrow, 30; Western Meadowlark, 7; Brewer's Blackbird, 1; Cardinal, 16; Pyrrhuloxia, 1; House Finch, 1; Pine Siskin, 35; Am. Goldfinch, 170; Green-tailed Towhee, 1; Spotted Towhee, 5; Brown Towhee, 18; Slate-colored Junco, 14; Oregon Junco, 68; Field Sparrow, 2; White-crowned Sparrow, 417; White-throated Sparrow, 1; Lincoln's Sparrow, 4; Song Sparrow, 10. **Total,** 60 species; about 1787 individuals.—John E. Galley.

430. Carrizo Springs, Tex. (same area as last year).—Dec. 25; 7 a.m. to 6 p.m. Clear most of day, very dense fog until 10 a.m.; temp. 50° to 75°. Two observers in 1 party. Total party-hours, 10 (8 on foot, 2 by car); total party-miles, 94 (12 on foot, 82 by car). Great Blue Heron, 1; Gadwall, 14; Am. Widgeon, 23; Pintail, 50; Green-winged Teal, 2; Redhead, 4; Canvas-back, 8; Lesser Scaup, 19; Ruddy Duck, 1; Turkey Vulture, 3; Black Vulture, 4; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-

shouldered Hawk, 1; Golden Eagle, 3; Marsh Hawk, 7; Sparrow Hawk, 3; Am. Coot, 13; Killdeer, 15; Spotted Sandpiper, 2; Least Sandpiper, 4; Lesser Yellow-legs, 1; Mourning Dove, 50; Ground Dove, 4; Inca Dove, 2; Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Golden-fronted Woodpecker, 8; Yellow-bellied Sapsucker, 2; Ladder-backed Woodpecker, 10; Eastern Phoebe, 4; Say's Phoebe, 1; Vermilion Flycatcher, 2; White-necked Raven, 16; Black-crested Titmouse, 16; Verdin, 18; Bewick's Wren, 4; Carolina Wren, 2; Mockingbird, 14; Eastern Bluebird, 2; Hermit Thrush, 1; Blue-gray Gnatcatcher, 4; Ruby-crowned Kinglet, 4; Water Pipit, 18; Cedar Waxwing, 42; Loggerhead Shrike, 13; Common Starling, 3; Orange-crowned Warbler, 2; Myrtle Warbler, 12; House Sparrow, 16; Eastern Meadowlark, 5; Red-winged Blackbird, 9; Brown-headed Cowbird, 79; Brewer's Blackbird, 15; Cardinal, 15; Pyrrhuloxia, 4; Am. Goldfinch, 4; Lesser Goldfinch, 2; Texas Sparrow, 16; Spotted Towhee, 4; Savannah Sparrow, 6; Vesper Sparrow, 6; Lark Sparrow, 9; Black-throated Sparrow, 18; White-crowned Sparrow, 29; Song Sparrow, 46. **Total,** 67 species, about 724 individuals. (Seen in area during count time: Green-tailed Towhee, Bob-white.)—Kent Rylander, Roddy Rylander.

431. Dallas, Tex. (same area as last year; lake, lake shore, cattail marsh and creeks 60%, deciduous farm woodlots and city parks 20%, town suburbs 10%, pasture 10%).—Dec. 31; 7 a.m. to 4:20 p.m. Partly cloudy to clear; temp. 44° to 66°; wind S, 9-12 m.p.h.; no snow, no ice. One observer. Total hours, 9 1/3 (4 1/3 on foot, 5 by car); total miles, 41 (½ on foot, 40½ by car). Pied-billed Grebe, 9; White Pelican, 2; Mallard, 440; Am. Widgeon, 26; Pintail, 22; Green-winged Teal, 170; Shoveller, 6; Ring-necked Duck, 30; Canvas-back, 4; Cooper's Hawk, 1; Red-tailed Hawk, 11 (1 melanistic or Harlan's); Sparrow Hawk, 3; Am. Coot, 140; Killdeer, 14; Least Sandpiper, 2; Ring-billed Gull, 56; Mourning Dove, 8; Belted Kingfisher, 5; Yellow-shafted Flicker, 18; Red-bellied Woodpecker, 23; Hairy Woodpecker, 1; Eastern Phoebe, 3; Blue Jay, 33; Am. Crow, 27; Carolina Chickadee, 12; Tufted Titmouse, 1; Brown Creeper, 1; Carolina Wren, 3; Mockingbird, 36; Am. Robin, 3; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 4; Common Starling, 15,909; Myrtle Warbler, 10; House Sparrow, 140; Eastern Meadowlark, 22; Red-winged Blackbird, 1015; Cardinal, 39; Am. Goldfinch, 1; Eastern Towhee, 3; Lark Sparrow, 2; Slate-colored Junco, 24; Chipping Sparrow, 1; Harris's Sparrow, 2; White-throated Sparrow, 2; Song Sparrow, 2. **Total,** 46 species; about 18,287 individuals. (Seen in area Dec. 25: Cedar Waxwing, 15; Jan. 1: Eastern Bluebird, 3; Turkey Vulture, 3.)—Murray Marshall.

432. Del Rio, Tex. (same area as last year; grassy park 11%, willow-cottonwood grove 4%, underbrush and thickets 23%, cattail and river-cane marsh 11%, irrigated farmland 7%, limestone canyons 26%, artificial lake 4%, desert 14%).—Jan. 1; 7:30 a.m. to 6:30 p.m. Clear; temp. 30° to 78°; wind SW, 0-2 m.p.h.; water open. Seven observers in 3 parties. Total party-hours, 28 (20 on foot, 4 by car, 4 by boat); total party-miles, 46 (14 on foot, 25 by car, 7 by boat). Common Loon, 2; Pied-billed Grebe, 6; Great Blue Heron, 8; Little Blue Heron, 1; Green Heron, 1; Canada Goose, 1; Mallard, 3; Gadwall, 3; Pintail, 1; Green-winged Teal, 2; Am. Golden-eye, 17; Buffle-head, 5; Ruddy Duck, 3; Turkey Vulture, 2; Black Vulture, 51; Cooper's Hawk, 1; Red-tailed Hawk, 4; Rough-legged Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 1; Scaled Quail, 4; Am. Coot, 37; Killdeer, 25; Wilson's Snipe, 5; Spotted Sandpiper, 10; Greater Yellow-legs, 2; Western Sandpiper, 24; Mourning Dove, 52; Ground Dove, 5; Inca Dove, 28; Belted Kingfisher, 7; Green Kingfisher, 2; Yellow-shafted Flicker, 15; Red-shafted Flicker, 41; Golden-fronted Woodpecker, 40; Yellow-bellied Sapsucker, 1; Ladder-backed Woodpecker, 15; Eastern Phoebe, 30; Black Phoebe, 13; Say's Phoebe, 1; Vermilion Flycatcher, 6; Black-crested Titmouse, 7; Verdin, 8; Brown Creeper, 2; House Wren, 8; Bewick's Wren, 8; Long-billed Marsh Wren, 7; Cañon Wren, 9; Rock Wren, 7; Mockingbird, 108; Sage Thrasher, 1; Hermit Thrush, 1; Eastern Bluebird, 11; Blue-gray Gnatcatcher, 3; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 36; Water Pipit, 10; Cedar Waxwing, 53; Loggerhead Shrike, 4; Common Starling, 5; Orange-crowned Warbler, 5; Myrtle Warbler, 245; Audubon's Warbler, 77; Common Yellowthroat, 6; House Sparrow, 84; Western Meadowlark, 6; Red-winged Blackbird, 92; Brewer's Blackbird, 142; Boat-tailed Grackle, 33; Brown-headed Cowbird, 6; Cardinal, 52; Pyrrhuloxia, 34; House Finch, 9; Am. Goldfinch, 26; Lesser Goldfinch, 3; Texas Sparrow, 1; Green-tailed Towhee, 2; Spotted Towhee, 2; Brown Towhee, 4; Lark Bunting, 53; Savannah Sparrow, 15; Vesper Sparrow, 8; Lark Sparrow, 3; Black-throated Sparrow, 24; **Am. Tree Sparrow,** 2 (C.H.,C.H.McN.); Field Sparrow, 5; White-crowned Sparrow, 136; Lincoln's Sparrow, 10; Swamp Sparrow, 4; Song Sparrow, 26. **Total,** 90 species; about 1885 individuals. (Seen in area Dec. 31: Dowitcher, Road-runner, White-breasted Nuthatch, Sennett's Thrasher.)—Walter L. Ammon, Charles R. Gaines, John E. Galley (compiler), Carrie Holcomb, Charles H. McNeese, Willard E. Ritter, Ruth Stamm.

433. Denton, Tex. (7½-mile radius centering 7 miles SE of Denton, including Lake Dallas and Elm Fork of Trinity River; lake shore 10%, deciduous creek bottoms 60%, scattered woodlands 10%, open fields and pastures 20%).—Jan. 2; 7:30 a.m. to 5:30 p.m. Cloudy; temp. 30° to 65°; wind SE, 1-12 m.p.h.; frost. Six observers in 2 parties. Total party-hours, 20 (15 on foot, 5 by car); total party-miles, 110 (11 on foot, 99 by car). Great Blue Heron, 11; Mallard, 6; Gadwall, 2; Blue-winged Teal, 2; Shoveller, 5; Canvas-back, 2; Turkey Vulture, 13; Black Vulture, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 5; **Harlan's Hawk,** 1; Marsh Hawk, 2; Sparrow Hawk, 5; Killdeer, 28; **Am. Woodcock,** 1; Least Sandpiper, 700; Mourning Dove, 81; Barred Owl, 1; Yellow-shafted Flicker, 15; Red-shafted Flicker, 2;

Pileated Woodpecker, 1; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 17; Eastern Phoebe, 1; Horned Lark, 21; Blue Jay, 22; Am. Crow, 51; Carolina Chickadee, 36; Tufted Titmouse, 17; **White-breasted Nuthatch,** 3; Brown Creeper, 3; Bewick's Wren, 4; Carolina Wren, 9; Mockingbird, 11; Brown Thrasher, 2; Am. Robin, 6; Hermit Thrush, 1; Eastern Bluebird, 46; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 3; Cedar Waxwing, 15; Loggerhead Shrike, 24; Common Starling, 35; Myrtle Warbler, 5; House Sparrow, 104; Eastern Meadowlark, 380; Western Meadowlark, 5; meadowlark (sp.), 74; Red-winged Blackbird, 500; Brown-headed Cowbird, 30; Cardinal, 56; Purple Finch, 3; Am. Goldfinch, 246; Spotted Towhee, 12; Savannah Sparrow, 28; Slate-colored Junco, 149; Field Sparrow, 17; Harris's Sparrow, 67; White-crowned Sparrow, 14; White-throated Sparrow, 100; Fox Sparrow, 4; Lincoln's Sparrow, 1; Song Sparrow, 66. **Total,** 65 species; about 3100 individuals. (Seen in area Jan. 1: Orange-crowned Warbler.)—Bette Askey, Pat Donnelly, Viola Hamilton, Wesley O. Pipes, Kent Rylander, Roddy Rylander.

434. Eagle Pass, Tex. (7½-mile radius centering 9 miles SE of Eagle Pass, including ranches near Rio Grande; irrigated fields 30%, thin mesquite brush 20%, small tanks and streams 15%, riverbottom 15%, gardens and orchards 5%, cactus desert 10%, cattail marsh 5%).—Dec. 26; 7 a.m. to 6:30 p.m. Completely cloudy until noon; temp. 50° to 80°; wind S, 3-5 m.p.h. Seven observers in 3 parties. Total party-hours, 30 (9 on foot, 21 by car); total party-miles, 122 (8 on foot, 114 by car). Least Grebe, 3; Pied-billed Grebe, 5; Great Blue Heron, 1; Gadwall, 9; Am. Widgeon, 21; Pintail, 125; Green-winged Teal, 5; Redhead, 6; Ring-necked Duck, 12; Canvas-back, 11; Greater Scaup, 7; Ruddy Duck, 6; Turkey Vulture, 5; **Black Vulture,** 225; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 30; **Mexican Goshawk,** 1 (directly overhead); Ferruginous Hawk, 4; **Harris's Hawk,** 65; Marsh Hawk, 72; Sparrow Hawk, 23; Bob-white, 41; Scaled Quail, 42; Turkey, 7; Sandhill Crane, 271; Am. Coot, 60; Killdeer, 24; Wilson's Snipe, 4; Spotted Sandpiper, 7; Greater Yellow-legs, 4; Lesser Yellow-legs, 4; Least Sandpiper, 1; Western Sandpiper, 4; Mourning Dove, 275; Ground Dove, 38; Inca Dove, 10; Road-runner, 5; Barn Owl, 7; Horned Owl, 4; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Red-shafted Flicker, 2; Golden-fronted Woodpecker, 13; Ladder-backed Woodpecker, 6; Eastern Phoebe, 3; Black Phoebe, 5; Say's Phoebe, 9; Vermilion Flycatcher, 13; **Rough-winged Swallow,** 4; White-necked Raven, 3; Black-crested Titmouse, 3; Verdin, 37; Bewick's Wren, 4; Carolina Wren, 1; Cactus Wren, 6; Mockingbird, 16; Sennett's Thrasher, 6; Curve-billed Thrasher, 7; Mountain Bluebird, 1; Blue-gray Gnatcatcher, 7; Ruby-crowned Kinglet, 11; Water Pipit, 111; Loggerhead Shrike, 22; Common Starling, 4; Orange-crowned Warbler, 2; Myrtle Warbler, 19; Common Yellowthroat, 2; House Sparrow, 14; Eastern Meadowlark, 66; Yellow-headed Blackbird, 2; Red-winged Blackbird, 42; Audubon's Oriole, 3; Brewer's Blackbird, 450; Boat-tailed Grackle, 78; Brown-headed Cowbird, 900; Cardinal, 175; Pyrrhuloxia, 64; House Finch, 1; Am. Goldfinch, 1; Lesser Goldfinch, 4; Texas Sparrow, 4; Green-tailed Towhee, 2; Savannah Sparrow, 40; Baird's Sparrow, 1; Vesper Sparrow, 73; Lark Sparrow, 3; Black-throated Sparrow, 24; White-crowned Sparrow, 125; Swamp Sparrow, 8; Song Sparrow, 15. **Total,** 91 species, about 3860 individuals.—Walter Fitch, Mrs. Walter Fitch, Kent Rylander, Roddy Rylander, Ernest Scales, J. W. Spence, Dorothy O. Worrell.

435. El Paso, Tex. (7½-mile radius centering on Scenic Drive, including Memorial Park, Ascarate Park, Sunrise Acres, Rio Grande River levee and valley: river bosque 4%, desert sandhills 10%, city park 4%, artificial lake 12%, levee and valley farmland 70%).—Dec. 27; 7:30 a.m. to 4:30 p.m. Cloudy after 10 a.m., ground bare, water open; temp. 45° to 55°; wind W to SW, 3-30 m.p.h. Eight observers in 2 parties. Total party-hours, 40 (26 on foot, 14 by car); total party-miles, 40 (11 on foot, 29 by car). Pied-billed Grebe, 13; Great Blue Heron, 5; Snow Goose, 1; Mallard, 52; Gadwall, 113; Am. Widgeon, 101; Pintail, 36; Green-winged Teal, 43; Shoveller, 2; Canvas-back, 26; Am. Merganser, 3; Red-tailed Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 8; Gambel's Quail, 30; Florida Gallinule, 4; Am. Coot, 240; Ring-billed Gull, 2; Mourning Dove, 6; Belted Kingfisher, 1; Red-shafted Flicker, 17; Yellow-bellied Sapsucker (Red-naped), 1; Black Phoebe, 2; Says' Phoebe, 2; Vermilion Flycatcher, 2 (first Dec. record); Steller's Jay, 4; White-necked Raven, 1; White-breasted Nuthatch, 2; Mockingbird, 4; Crissal Thrasher, 1; Am. Robin, 46; Hermit Thrush, 1; Western Bluebird, 19; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 10; Audubon's Warbler, 14; House Sparrow, 58; Western Meadowlark, 67; Yellow-headed Blackbird, 800; Red-winged Blackbird, 400; Brewer's Blackbird, 10; Boat-tailed Grackle, 1; blackbird (sp.), 4000; Pyrrhuloxia, 3; Cassin's Finch, 5; House Finch, 80; Pine Siskin, 2; Lesser Goldfinch, 2; **Lawrence's Goldfinch,** 6; Spotted Towhee, 7; Lark Bunting, 2; Savannah Sparrow, 2; Baird's Sparrow, 10; Vesper Sparrow, 1; Sage Sparrow, 6; Oregon Junco, 50 (Shufeldt's, 25; Pink-sided, 25); Gray-headed Junco, 20; Chipping Sparrow, 1; Clay-colored Sparrow, 2; Brewer's Sparrow, 2; White-crowned Sparrow, 68; Song Sparrow, 2. **Total,** 61 species (1 additional subspecies); about 6424 individuals. (Seen in area Dec. 26: Red-breasted Nuthatch, Brown Creeper, Sharp-shinned Hawk.)—Jasper Wooldridge, Jennie Camp, Frances Camp, Lena McBee, Mrs. J. T. Johnson, Mrs. C. T. French, Mr. and Mrs. Jack Stewart (El Paso Audubon Society).

436. Fort Worth, Tex. (same area as last year; 7½-mile radius centering on Federal Fish Cultural Station, including Lake Worth, Rockwood, Trinity and Forest Parks).—Jan. 2; 8 a.m. to 5:30 p.m. Overcast: Temp. 40° to 62°; wind SSE to S, 10-15 m.p.h. Thirty-four observers in 6 parties. Total party-

hours, 46 (37 on foot, 9 by car); total party-miles, 180 (76 on foot, 104 by car). Pied-billed Grebe, 6; Great Blue Heron, 2; Mallard, 7; Gadwall, 12; Am. Widgeon, 34; Pintail, 17; Shoveller, 2; Redhead, 13; Ring-necked Duck, 7; Canvas-back, 7; Lesser Scaup, 33; Turkey Vulture, 77; Cooper's Hawk, 1; Red-tailed Hawk, 6 (Krider's, 1); Harlan's Hawk, 4; Red-shouldered Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 5; Bob-white, 5; Sora, 1; Am. Coot, 6; Killdeer, 38; Wilson's Snipe, 14; Least Sandpiper, 70; Herring Gull, 3; Ring-billed Gull, 16; Mourning Dove, 29; Road-runner, 1; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 8; Yellow-shafted Flicker, 23; Red-shafted Flicker, 7; Red-bellied Woodpecker, 54; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 50; Ladder-backed Woodpecker, 2; Eastern Phoebe, 1; Blue Jay, 106; Am. Crow, 133; Carolina Chickadee, 197; Tufted Titmouse, 108; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 8; Brown Creeper, 24; Bewick's Wren, 9; Carolina Wren, 61; Long-billed Marsh Wren, 4; Short-billed Marsh Wren, 1; Mockingbird, 66; Brown Thrasher, 2; Am. Robin, 24; Hermit Thrush, 3; Eastern Bluebird, 8; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 16; Water Pipit, 2; Cedar Waxwing, 28; Loggerhead Shrike, 19; Common Starling, 100,453; Myrtle Warbler, 35; Common Yellowthroat, 2; House Sparrow, 530; Eastern Meadowlark, 32; Western Meadowlark, 5; meadowlark (sp.), 46; Red-winged Blackbird, 351,411; Rusty Blackbird, 5088; Brewer's Blackbird, 2; Boat-tailed Grackle, 11; Purple Grackle, 2623; Brown-headed Cowbird, 100,013; Cardinal, 261; Purple Finch, 1; Am. Goldfinch, 109; Spotted Towhee, 40; Vesper Sparrow, 4; Slate-colored Junco, 250; Field Sparrow, 91; Harris's Sparrow, 85; White-crowned Sparrow, 17; White-throated Sparrow, 57; Fox Sparrow, 20; Lincoln's Sparrow, 8; Swamp Sparrow, 3; Song Sparrow, 91. **Total,** 86 species (1 additional subspecies); about 562,702 individuals. (Seen in area Jan. 1: Orange-crowned Warbler, Nashville Warbler.)—Mr. and Mrs. George S. Adams, Margaret Adams, Sister Saint Andrew, Helen Barr, Mrs. Walter R. Bauguess, Mrs. Robert H. Bowman, Monty Burns, S. Cann, Mr. and Mrs. J. E. Casstevens, Mrs. E. E. Crowder, Mrs. Nell Earl, Eve Edwards, C. L. Fagan, Mr. and Mrs. R. E. Hardwicke, Mrs. Ruth Harrison, Mr. and Mrs. Edward Hoy, Mrs. John Wesley Jones, Larry McLean, Mrs. G. W. Parker, Jr., Mr. and Mrs. Stephen A. Passmore, Warren M. Pulich, Sr. (compiler), Warren M. Pulich, Jr., Mrs. Wade Smith, Virginia Stagg, Bert Walker. Mr. and Mrs. Harry C. Wallenberg, Mrs. Anne H. Webb, John E. Wilson (Fort Worth Audubon Society).

437. Galveston Island, Tex. (same area as last year; grassy prairies and fields 70%, thickets 10%, beaches 5%, open water 5%, improved land 10%).—Jan. 2; 7:15 a.m. to 5 p.m. Overcast and very foggy; temp. 62° to 68°; wind SE, 13-18 m.p.h. Six observers in 2 parties. Total party-hours, 17 (3 on foot, 14 by car); total party-miles, 160 (8 on foot, 152 by car). Common Loon, 5; Pied-billed Grebe, 14; White Pelican, 22; Brown Pelican, 31; Double-crested Cormorant, 16; Great Blue Heron, 15; Am. Egret, 11; Snowy Egret, 20; Louisiana Heron, 11; Little Blue Heron, 2; Black-crowned Night Heron, 61; White-faced Ibis, 3; White Ibis, 84; Gadwall, 16; Am. Widgeon, 372; Pintail, 15; Green-winged Teal, 49; Shoveller, 9; Ring-necked Duck, 6; Lesser Scaup, 43; Red-tailed Hawk, 2; Harlan's Hawk, 1; Marsh Hawk, 13; Peregrine Falcon, 1; Sparrow Hawk, 7; Bob-white, 2; Clapper Rail, 1; Virginia Rail, 1; Am. Coot, 289; Piping Plover, 7; Snowy Plover, 1; Ringed Plover, 12; Killdeer, 49; Black-bellied Plover, 49; Ruddy Turnstone, 8; Wilson's Snipe, 7; Long-billed Curlew, 30; Golden Plover, 1 [no details—Ed.]; Willet, 19; Greater Yellow-legs, 14, Lesser Yellow-legs, 21; Red-backed Sandpiper, 37; Dowitcher, 326; Semipalmated Sandpiper, 150; Marbled Godwit, 1; Sanderling, 230; Herring Gull, 217; Ring-billed Gull, 308; Laughing Gull, 644; Gull-billed Tern, 12; Forster's Tern, 29; Royal Tern, 107; Caspian Tern, 7; Black Skimmer, 165; Mourning Dove, 5; Inca Dove, 8; Burrowing Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 16; Yellow-bellied Sapsucker, 1; Eastern Phoebe, 4; Horned Lark, 5; Am. Crow, 1; Mockingbird, 19; Brown Thrasher, 8; Am. Robin, 34; Blue-gray Gnatcatcher, 4; Ruby-crowned Kinglet, 4; Water Pipit, 76; Loggerhead Shrike, 33; Common Starling, 217; Orange-crowned Warbler, 2; Myrtle Warbler, 4; Palm Warbler, 1; House Sparrow, 75; Eastern Meadowlark, 53; Red-winged Blackbird, 340; Baltimore Oriole, 1 [no details—Ed.]; Rusty Blackbird, 70; Brewer's Blackbird, 72; Boat-tailed Grackle, 19; Brown-headed Cowbird, 764; Cardinal, 14; Savannah Sparrow, 33; Seaside Sparrow, 1; White-throated Sparrow, 15. **Total,** 86 species; about 5547 individuals.—R. Binhammer, C. E. Hall (compiler), O. Hall, J. E. Hildebrand, E. Lowe, L. Sanborn.

438. Houston, Tex. (same area as last year).—Jan. 2; 6:15 a.m. to 8:45 p.m. Dense fog early, mostly cloudy rest of day; temp. 61° to 75°; wind SE, 3-17 m.p.h. Forty observers in 9 parties. Total party-hours, 92½ (62 on foot, 30½ by car); total party-miles, 506 (81 on foot, 425 by car). Pied-billed Grebe, 50; White Pelican, 8; Brown Pelican, 34; Double-crested Cormorant, 6; Olivaceous Cormorant, 1 (dead); Great Blue Heron, 30; Am. Egret, 174; Snowy Egret, 26; Louisiana Heron, 8; Little Blue Heron, 4; Black-crowned Night Heron, 2; Am. Bittern, 1; **Wood Ibis,** 8; White-faced Ibis, 90; **White Ibis,** 1; Canada Goose, 20; Snow Goose, 396; Blue Goose, 87; goose (sp.), 10; Mallard, 25; Mottled Duck, 4; Gadwall, 3212; Am. Widgeon, 6550; Pintail, 413; Green-winged Teal, 42; Blue-winged Teal, 6; Shoveller, 101; Ring-necked Duck, 6; Canvas-back, 37; Lesser Scaup, 1050; Ruddy Duck, 16; duck (sp.), 273; Turkey Vulture, 47; Black Vulture, 21; Sharp-shinned Hawk, 15; Cooper's Hawk, 8; Red-tailed Hawk, 35 (Krider's, 1); Red-shouldered Hawk, 28; Marsh Hawk, 29; Audubon's Caracara, 1; Peregrine Falcon, 2; **Pigeon Hawk,** 2; Sparrow Hawk, 35; Greater

Prairie Chicken, 3; Bob-white, 34; Am. Coot, 583; Killdeer, 227; Black-bellied Plover, 15; Am. Woodcock, 2; Wilson's Snipe, 7; Spotted Sandpiper, 4; Greater Yellow-legs, 4; Lesser Yellow-legs, 29; Least Sandpiper, 440; Red-backed Sandpiper, 7; Dowitcher, 259; Semipalmated Sandpiper, 15; **Western Sandpiper,** 10,300; Sanderling, 3; Am. Avocet, 16; Herring Gull, 36; Ring-billed Gull, 3520; Laughing Gull, 1015; Gull-billed Tern, 10; Forster's Tern, 38; Royal Tern, 18; Caspian Tern, 7; Black Skimmer, 6; Mourning Dove, 330; Screech Owl, 4; **Horned Owl,** 1; Barred Owl, 3; Belted Kingfisher, 20; Yellow-shafted Flicker, 141; Red-shafted Flicker, 1; **Pileated Woodpecker,** 25; Red-bellied Woodpecker, 38; Red-headed Woodpecker, 27; Yellow-bellied Sapsucker, 15; Hairy Woodpecker, 4; Downy Woodpecker, 15; Eastern Phoebe, 128; **empidonax** (sp.), 2; Vermilion Flycatcher, 3; Horned Lark, 1; Blue Jay, 228; Am. Crow, 441; Carolina Chickadee, 389; Tufted Titmouse, 108; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 8; Brown-headed Nuthatch, 3; Brown Creeper, 11; House Wren, 34; Winter Wren, 3; Carolina Wren, 75; Short-billed Marsh Wren, 6; Mockingbird, 211; Brown Thrasher, 124; Am. Robin, 503; Hermit Thrush, 33; **Olive-backed Thrush,** 1; **Gray-cheeked Thrush,** 1; **Eastern Bluebird,** 250; Blue-gray Gnatcatcher, 49; Golden-crowned Kinglet, 15; **Ruby-crowned Kinglet,** 183; Water Pipit, 281; Sprague's Pipit, 2; Cedar Waxwing, 47; **Loggerhead Shrike,** 184; Common Starling, 2627; White-eyed Vireo, 2; Solitary Vireo, 4; Black and White Warbler, 2; Orange-crowned Warbler, 24; Myrtle Warbler, 316; **Pine Warbler,** 140; **Louisiana Waterthrush,** 1; Common Yellowthroat, 9; House Sparrow, 1016; Eastern Meadowlark, 422; Red-winged Blackbird, 484; **Orchard Oriole,** 1; Brewer's Blackbird, 1677; Boat-tailed Grackle, 285; Purple Grackle, 2175; Brown-headed Cowbird, 4523; blackbird (sp.), 4865; Cardinal, 436; Purple Finch, 14; Am. Goldfinch, 631; Eastern Towhee, 5; Savannah Sparrow, 203; **Leconte's Sparrow,** 26; Seaside Sparrow, 2; Vesper Sparrow, 76; Lark Sparrow, 20; Pine-woods Sparrow, 1; Slate-colored Junco, 74; **Chipping Sparrow,** 202; Field Sparrow, 50; Harris's Sparrow, 3; White-crowned Sparrow, 6; White-throated Sparrow, 498; Fox Sparrow, 1; Lincoln's Sparrow, 39; Swamp Sparrow, 54; Song Sparrow, 25. **Total,** 146 species (1 additional subspecies); about 54,403 individuals. [Excellent details submitted for all unusual observations—Ed.]—Mrs. Charles F. Baker, L. A. M. Barnette, Mrs. L. A. M. Barnette, Jimmy and Sid Barnette, Kenneth E. Bennett, Luta Buchanan, C. E. Buehner, Mable Cline, Betty Crowley, Nance Cunningham, Vic Emanuel, Werner H. Gottsch, Mr. and Mrs. Charles W. Hamilton, Mrs. Sue Harris, Mrs. Jesse Haver, Joe M. Heiser, Jr., Maurine Jarrell, Mable Kaiser, Lloyd Lambert, Darris Massingill, C. R. Mattei, Don Melstrom, Edna Miner, Jimmy Murray, Norma Oates, Noel Pettingell (compiler), J. W. Phillips, William Schumann, Larry Semander, P. D. Smith, Lawrence Tabony, David G. Watson, Frank G. Watson, Josephine Wilkin, George G. Williams, Stephen Williams, Richard Wright, Armand Yramategui (Houston Outdoor Nature Club).

439. Laguna Atascosa National Wildlife Refuge, San Benito, Tex. (7½-mile radius centered on north side of Laguna Atascosa, 16 air-miles northeast of San Benito; mesquite-chaparral woodland 20%, brush-covered ridges 15%, farmlands 15%, coastal prairie 15%, fresh-water marshes and shallow lakes 15%, brackish bay and shore 20%).—Jan. 2; 6 a.m. to 7:30 p.m. Broken to overcast; temp. 70° to 78°; wind SE, 8-25 m.p.h. Twenty-five observers in 9 parties. Total party-hours, 95 (63 on foot, 25 by car, 7 by boat); total party-miles, 234 (61 on foot, 135 by car, 38 by boat). Eared Grebe, 66; Least Grebe, 6; Pied-billed Grebe, 146; White Pelican, 545; Brown Pelican, 101; Double-crested Cormorant, 10; Olivaceous Cormorant, 68; Great Blue Heron, 95; Am. Egret, 73; Snowy Egret, 32; Reddish Egret, 28; Louisiana Heron, 5; Little Blue Heron, 7; Canada Goose, 5846; White-fronted Goose, 1409; Snow Goose, 1184; Blue Goose, 236; Mallard, 475; Mottled Duck, 82; Gadwall, 1913; Am. Widgeon, 1019; Pintail, 410,239; Green-winged Teal, 643; Blue-winged Teal, 36; Cinnamon Teal, 17; Shoveller, 803; Redhead, 210,768; Canvas-back, 66; Lesser Scaup, 171; **Am. Golden-eye,** 1 (present since Dec. 27—L.G.); Buffle-head, 138; Ruddy Duck, 106; Red-breasted Merganser, 7; Turkey Vulture, 221; Black Vulture, 146; White-tailed Kite, 2; Sharp-shinned Hawk, 4; Cooper's Hawk, 2; Red-tailed Hawk, 8; Red-shouldered Hawk, 5; White-tailed Hawk, 13; Rough-legged Hawk, 1; Harris's Hawk, 61; Marsh Hawk, 173; Osprey, 1; Audubon's Caracara, 26; Peregrine Falcon, 14; Sparrow Hawk, 84; Bob-white, 278; Sandhill Crane, 742; Florida Gallinule, 1; Am. Coot, 8441; Ringed Plover, 4; Wilson's Plover, 2; **Mountain Plover,** 20; Killdeer, 153; Black-bellied Plover, 79; Ruddy Turnstone, 8; Wilson's Snipe, 33; Long-billed Curlew, 534; Spotted Sandpiper, 5; Willet, 838; Greater Yellow-legs, 63; Lesser Yellow-legs, 34; **Stilt Sandpiper,** 2; Least Sandpiper, 24; Red-backed Sandpiper, 115; Dowitcher, 926; Semipalmated Sandpiper, 29; Western Sandpiper, 15; Marbled Godwit, 211; Sanderling, 1; Am. Avocet, 1; Herring Gull, 53; Ring-billed Gull, 92; Laughing Gull, 84; Gull-billed Tern, 116; Forster's Tern, 85; Common Tern, 15; Royal Tern, 30; Caspian Tern, 95; Mourning Dove, 1713; Ground Dove, 232; Inca Dove, 10; White-fronted Dove, 1; Road-runner, 7; Horned Owl, 3; Groove-billed Ani, 1; Pauraque, 26; Belted Kingfisher, 7; Yellow-shafted Flicker, 3; Golden-fronted Woodpecker, 35; Yellow-bellied Sapsucker, 2; Ladder-backed Woodpecker, 26; Tropical Kingbird, 16; Derby Flycatcher, 6; Eastern Phoebe, 27; Say's Phoebe, 8; empidonax (sp.), 2; Vermilion Flycatcher, 32; Horned Lark, 425; Green Jay, 5; Black-crested Titmouse, 12; Verdin, 32; House Wren, 43; Bewick's Wren, 41; Carolina Wren, 6; Cactus Wren, 13; Long-billed Marsh Wren, 3; Mockingbird, 689; Sennett's Thrasher, 10; Curve-billed Thrasher, 59; Sage Thrasher, 25; Am. Robin, 7; Hermit Thrush, 3; Blue-gray Gnatcatcher, 24; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 42; Water Pipit, 537; Sprague's Pipit, 48; Loggerhead Shrike, 155; Common Starling, 45; White-eyed Vireo, 30; Orange-crowned Warbler, 33; Nashville Warbler, 3; Myrtle Warbler,

460; **Black-capped Warbler,** 1; Common Yellowthroat, 16; House Sparrow, 75; Eastern Meadowlark, 329; Yellow-headed Blackbird, 8; Red-winged Blackbird, 354,524; Brewer's Blackbird, 2467; Boat-tailed Grackle, 42,405; Brown-headed Cowbird, 1425; mixed blackbirds, 100,000; Cardinal, 25; Am. Goldfinch, 71; Texas Sparrow, 23; Green-tailed Towhee, 1; Savannah Sparrow, 352; Grasshopper Sparrow, 28; Leconte's Sparrow, 1; Vesper Sparrow, 23; Lark Sparrow, 141; Black-throated Sparrow, 15; Cassin's Sparrow, 2; Clay-colored Sparrow, 193; Field Sparrow, 5; **Harris's Sparrow,** 1 (carefully identified, first local record—E.K.); White-crowned Sparrow, 21; White-throated Sparrow, 8; Lincoln's Sparrow, 52; Swamp Sparrow, 3; Song Sparrow, 14. **Total,** 154 species; about 1,157,371 individuals.—Charles Bender, Milton C. Chandler, Marshall Compton, Mr. and Mrs. L. Irby Davis, Don Dryer, Robert Franks, Mrs. Ina Foss, C. J. Fox, Luther C. Goldman (compiler), C. E. Hudson, Jr., Merritt H. Hull, Pauline James, Ben King, Edgar Kincaid, Mrs. A. P. Longland, Edgar McBurney, Mrs. Mary Ann Ratz, H. Milton Reeves, U. L. Stegman, Mr. and Mrs. E. D. Swedenborg, H. A. Trevino, John S. Webb, Carl Zeimet.

440. Lampasas, Tex. (7½-mile radius centering on town square; town 15%, creeks and ponds 10%, cattail marsh 2%, mixed deciduous woods and cedar brush 40%, wooded riverbottom 23%, golf course 10%).—Dec. 30; 6 a.m. to 9 a.m. and 1 p.m. to 6 p.m. Partly cloudy; temp. 40° to 56°; wind W, 5-18 m.p.h. One observer. Total hours, 8 (all on foot); total miles, 16. Turkey Vulture, 24; Black Vulture, 26; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 3; Sparrow Hawk, 9; Killdeer, 4; Mourning Dove, 21; Road-runner, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 8; Red-shafted Flicker, 5; Golden-fronted Woodpecker, 11; Ladder-backed Woodpecker, 6; Eastern Phoebe, 2; Blue Jay, 3; Am. Crow, 39; Carolina Chickadee, 19; Black-crested Titmouse, 11; Brown Creeper, 3; House Wren, 1; Bewick's Wren, 2; Carolina Wren, 4; Long-billed Marsh Wren, 3; Mockingbird, 26; Am. Robin, 22; Hermit Thrush, 1; Eastern Bluebird, 387; **Mountain Bluebird,** 3; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 25; Cedar Waxwing, 2470; Loggerhead Shrike, 4; Common Starling, 18; Myrtle Warbler, 67; House Sparrow, 119; Eastern Meadowlark, 38 (in song); Western Meadowlark, 2 (in song); Cardinal, 126; House Finch, 3; Am. Goldfinch, 106; Spotted Towhee, 33; Rufous-crowned Sparrow, 1; **Oregon Junco,** 1 (Pink-sided); Slate-colored Junco, 70; Field Sparrow, 5; Harris's Sparrow, 64; White-crowned Sparrow, 9; White-throated Sparrow, 19; Fox Sparrow, 27; Lincoln Sparrow, 3; Song Sparrow, 13; Horned Lark, 10. **Total,** 53 species, about 3887 individuals.—Eugene Wilhelm, Jr.

441. Midland, Tex. (same area as last year; parks and cemeteries 25%, water 10%, cultivated areas 15%, plains with long grass and thickets 50%).—Dec. 24; 7:30 a.m. to 6 p.m. Clear; temp. 40° to 70°; wind SW, 2-10 m.p.h.; water open. Three observers in 1 party a.m., 1 observer p.m. Total party-hours, 8½ (5 on foot, 3½ by car); total party-miles, 29 (3 on foot, 26 by car). Pied-billed Grebe, 2; Sharp-shinned Hawk, 2; Red-tailed Hawk, 2; Harris's Hawk, 3; Marsh Hawk, 8; Prairie Falcon, 1; Sparrow Hawk, 2; Scaled Quail, 6; Sandhill Crane, 7; Am. Coot, 1; Killdeer, 25; Long-billed Curlew, 265; Mourning Dove, 95; Road-runner, 1; Horned Owl, 1; Red-shafted Flicker, 6; Ladder-backed Woodpecker, 2; Bewick's Wren, 1; Cactus Wren, 4; Mockingbird, 6; Curve-billed Thrasher, 2; Sage Thrasher, 2; Ruby-crowned Kinglet, 1; Water Pipit, 35; Loggerhead Shrike, 8; Common Starling, 45; Myrtle Warbler, 20; House Sparrow, 350; Western Meadowlark, 260; Red-winged Blackbird, 80; Brewer's Blackbird, 20; Brown-headed Cowbird, 350; Pyrrhuloxia, 15; House Finch, 36; Pine Siskin, 5; Lark Bunting, 360; Vesper Sparrow, 65; Slate-colored Junco, 2; Oregon Junco, 18; White-crowned Sparrow, 380; Song Sparrow, 14. **Total,** 41 species; about 2508 individuals.—John E. Galley (compiler), Frances Williams, Robert N. Williams.

442. Muleshoe National Wildlife Refuge, Tex. (same as last year; grass-mesquite pasture 70%, shallow or dry lakes 15%, timber 15%).—Dec. 31; 8 a.m. to 5 p.m. Clear to 10 a.m., then sand storm; temp. 22° to 45°; wind WSW, 10-50 m.p.h.; ground partly covered with snow. Three observers in 1-2 parties. Total party-hours, 24 (4 on foot, 20 by car); total party-miles, 60 (6 on foot, 54 by car). Canada Goose, 700; Mallard, 56,000; Am. Widgeon, 12,000; Pintail, 12,000; Green-winged Teal, 600; Blue-winged Teal, 2; Redhead, 3; Lesser Scaup, 12; Buffle-head, 2; Red-tailed Hawk, 7; **Swainson's Hawk,** 3; Rough-legged Hawk, 4; Ferruginous Hawk, 3; Golden Eagle, 1; Marsh Hawk, 13; Sparrow Hawk, 1; Scaled Quail, 181; Sandhill Crane, 15,000; Mourning Dove, 22; Horned Owl, 1; Red-shafted Flicker, 8; Horned Lark, 76; Rock Wren, 2; Loggerhead Shrike, 10; House Sparrow, 22; Western Meadowlark, 253; Brown-headed Cowbird, 9; Pyrrhuloxia, 1; Green-tailed Towhee, 1; Lark Bunting, 16; Savannah Sparrow, 1; Lark Sparrow, 3; Slate-colored Junco, 2; Oregon Junco, 157; Am. Tree Sparrow, 2; Field Sparrow, 1; White-crowned Sparrow, 202; Song Sparrow, 4. **Total,** 38 species; about 97,325 individuals.—Joshua J. Harman (compiler), Frances M. Williams, Harold L. Williams.

443. Queen City, Tex. (same as last year).—Dec. 30; 7 a.m. to 6 p.m. Cloudy most of day; temp. 40° to 60°; wind SW, 10-20 m.p.h. One observer. Total hours, 11 (10½ on foot, ½ by car); total miles, 26 (20 on foot, 6 by car). Great Blue Heron, 2; Mallard, 2; Turkey Vulture, 51; Black Vulture, 7; Red-tailed Hawk, 1; Sparrow Hawk, 1; Bob-white, 2; Killdeer, 2; Mourning Dove, 101; Belted Kingfisher, 1; Yellow-shafted Flicker, 27; Pileated Woodpecker, 2; Red-bellied Woodpecker, 19; Yellow-bellied Sapsucker, 12; Downy Woodpecker, 7; Eastern Phoebe, 5; Blue Jay, 37; Am. Crow, 47; Carolina Chickadee, 17; Tufted Titmouse, 9; White-breasted Nuthatch, 4; Brown-headed Nuthatch, 4; Brown Creeper, 2;

Winter Wren, 2; Carolina Wren, 5; Mockingbird, 3; Am. Robin, 47; Hermit Thrush, 9; Eastern Bluebird, 9; Golden-crowned Kinglet, 11; Ruby-crowned Kinglet, 4; Cedar Waxwing, 19; Loggerhead Shrike, 5; Common Starling, 225; Pine Warbler, 27; House Sparrow, 13; Eastern Meadowlark, 47; Red-winged Blackbird, 500; Rusty Blackbird, 2; Brown-headed Cowbird, 156; Cardinal, 77; Purple Finch, 6; Am. Goldfinch, 21; Eastern Towhee, 3; Slate-colored Junco, 157; Chipping Sparrow, 5; Field Sparrow, 27; **Harris's Sparrow,** 1 (carefully studied at close range); White-throated Sparrow, 107; Fox Sparrow, 31; Song Sparrow, 59. **Total,** 51 species; about 1940 individuals.—Billy Heldt.

444. Santa Ana National Wildlife Refuge, Alamo, Tex. (same area as last year).—Dec. 30; 5 a.m. to 6 p.m. Clear; temp. 39° to 66°; wind SE, 2-19 m.p.h. Twenty-six observers in 9 parties. Total party-hours, 73 (49 on foot, 24 by car); total party-miles, 259 (34 on foot, 225 by car). Least Grebe, 2; Pied-billed Grebe, 7; Water-turkey, 1; Great Blue Heron, 8; Green Heron, 4; Black-crowned Night Heron, 8; Am. Bittern, 2; Gadwall, 6; Am. Widgeon, 4; Pintail, 34; Green-winged Teal, 30; Blue-winged Teal, 16; Shoveller, 5; Lesser Scaup, 16; Ruddy Duck, 1; Turkey Vulture, 172; Black Vulture, 184; Sharp-shinned Hawk, 3; Cooper's Hawk, 5; Red-tailed Hawk, 9 (Krider's, 1); Red-shouldered Hawk, 26; Harris's Hawk, 8; Marsh Hawk, 63; Peregrine Falcon, 2; Sparrow Hawk, 87; Chachalaca, 12; Bob-white, 7; Sandhill Crane, 15; Virginia Rail, 2; Sora, 27; Florida Gallinule, 8; Am. Coot, 53; Killdeer, 60; **Am. Woodcock,** 1 (first local record); Wilson's Snipe, 10; Spotted Sandpiper, 2; Greater Yellow-legs, 37; Lesser Yellow-legs, 12; Least Sandpiper, 51; Dowitcher, 86; Semipalmated Sandpiper, 22; Western Sandpiper, 6; Mourning Dove, 318; Ground Dove, 69; Inca Dove, 120; Road-runner, 1; Barn Owl, 3; Screech Owl, 3; Horned Owl, 7; Pauraque, 9; Yellow-shafted Flicker, 11; Golden-fronted Woodpecker, 72; Yellow-bellied Sapsucker, 2; Ladder-backed Woodpecker, 50; Tropical Kingbird, 23; Derby Flycatcher, 33; Eastern Phoebe, 78; Say's Phoebe, 3; empidonax (sp.), 1 (E.D.S.); Vermilion Flycatcher, 13; Horned Lark, 34; Green Jay, 103; White-necked Raven, 24; Black-crested Titmouse, 4; Verdin, 4; House Wren, 54; Bewick's Wren, 8; Carolina Wren, 6; Cactus Wren, 2; Long-billed Marsh Wren, 7; Short-billed Marsh Wren, 1; Mockingbird, 185; Sennett's Thrasher, 46; Curve-billed Thrasher, 5; Am. Robin, 72; Hermit Thrush, 9; Eastern Bluebird, 28; Blue-gray Gnatcatcher, 193; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 100; Water Pipit, 100; Sprague's Pipit, 10; Cedar Waxwing, 149; Loggerhead Shrike, 65; Common Starling, 60; White-eyed Vireo, 15; Yellow-throated Vireo, 2; Solitary Vireo, 16; Black and White Warbler, 6; Prothonotary Warbler, 2; Orange-crowned Warbler, 25; Nashville Warbler, 5; Myrtle Warbler, 251; Audubon's Warbler, 5; Black-throated Green Warbler, 13; Black-throated Gray Warbler, 2; Blackburnian Warbler, 1; Yellow-throated Warbler, 1; Pine Warbler, 18; Palm Warbler, 1; Northern Water-thrush, 1; Common Yellowthroat, 61; Black-capped Warbler, 1; Canada Warbler, 1; House Sparrow, 1242; Eastern Meadowlark, 118; Red-winged Blackbird, 14,688; Audubon's Oriole, 7; **Alta Mira Oriole,** 1 (carefully identified—L. G., C.H.); Hooded Oriole, 1; Brewer's Blackbird, 1500; Boat-tailed Grackle, 2862; Brown-headed Cowbird, 4394; Cardinal, 102; Pyrrhuloxia, 3; Sharpe's Seedeater, 16; Am. Goldfinch, 224; **Lesser Goldfinch,** 2 (E.R.); Texas Sparrow, 13; **Eastern Towhee,** 1 (first refuge record); Savannah Sparrow, 171; Grasshopper Sparrow, 2; Vesper Sparrow, 25; Lark Sparrow, 264; Black-throated Sparrow, 6; Chipping Sparrow, 1; Clay-colored Sparrow, 1; Field Sparrow, 1; White-crowned Sparrow, 10; White-throated Sparrow, 2; Lincoln's Sparrow, 42; Swamp Sparrow, 8; Song Sparrow, 31. **Total,** 131 species (1 additional subspecies); about 29,373 individuals.—Lola Barnhart, Hazel Benatti, H. J. Bock, Robert Bock, Winnefred Bradway, Donald Dryer, Luther C. Goldman (compiler), C. Hudson, Jr., Mrs. A. P. Longland, Edgar McBurney, Ruby McCarthy, Paul McLean, Donald Mock, Dale Mock, Clarence Moffitt, C. N. Moore, John Morony, Alta Niebahie, Earl Reed, Mrs. Earl Reed, Maxine Reed, Mr. and Mrs. E. D. Swedenborg, Lavinia Tucker, Katherine Young, Mary Young.

445. Tyler, Tex. (same as last year; lakes and ponds 5%, cultivated farms 15%, woods 20%, pastures 60%).—Jan. 1; 7 a.m. to 5 p.m. Clear; temp. 50° to 70°; wind SW to NW, 5-15 m.p.h. Eleven observers in 4 parties. Total party-hours, 33 (19 on foot, 14 by cars); total party-miles, 281 (18 on foot, 263 by car). Pied-billed Grebe, 23; Great Blue Heron, 5; Mallard, 29; Am. Widgeon, 5; Pintail, 3; Green-winged Teal, 11; Ring-necked Duck, 10; Canvas-back, 9; Lesser Scaup, 1; Ruddy Duck, 23; Turkey Vulture, 45; Black Vulture, 15; Sharp-shinned Hawk, 1; Red-tailed Hawk, 12; Red-shouldered Hawk, 3; Marsh Hawk, 4; Sparrow Hawk, 15; Bob-white, 2; Am. Coot, 3076; Killdeer, 52; Wilson's Snipe, 4; Least Sandpiper, 6; Mourning Dove, 42; Road-runner, 1; Horned Owl, 2; Barred Owl, 2; Belted Kingfisher, 6; Yellow-shafted Flicker, 62; Red-bellied Woodpecker, 46; Red-headed Woodpecker, 19; Yellow-bellied Sapsucker, 9; Hairy Woodpecker, 5; Downy Woodpecker, 18; Eastern Phoebe, 8; Blue Jay, 176; Am. Crow, 64; Carolina Chickadee, 70; Tufted Titmouse, 48; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 1; Brown-headed Nuthatch, 6; Brown Creeper, 2; House Wren, 1; Winter Wren, 1; Bewick's Wren, 5; Carolina Wren, 39; Mockingbird, 65; Brown Thrasher, 41; Am. Robin, 18; Hermit Thrush, 9; Eastern Bluebird, 142; Golden-crowned Kinglet, 26; Ruby-crowned Kinglet, 19; Water Pipit, 2; Sprague's Pipit, 3; Cedar Waxwing, 66; Loggerhead Shrike, 48; Common Starling, 130; Orange-crowned Warbler, 1; Myrtle Warbler, 196; Pine Warbler, 21; House Sparrow, 178; Eastern Meadowlark, 146; Red-winged Blackbird, 1608; Rusty Blackbird, 168; Brewer's Blackbird, 147; Purple Grackle, 3151; Brown-headed Cowbird, 115; Cardinal, 181; Purple Finch, 8; Pine Siskin, 9; Am. Goldfinch, 54; Eastern Towhee, 21; Spotted Towhee, 7; Savannah

Sparrow, 11; Leconte's Sparrow, 3; Vesper Sparrow, 3; Slate-colored Junco, 603; Chipping Sparrow, 8; Field Sparrow, 222; Harris's Sparrow, 31; White-crowned Sparrow, 38; White-throated Sparrow, 330; Fox Sparrow, 11; Lincoln's Sparrow, 4; Swamp Sparrow, 33; Song Sparrow, 49; Lapland Longspur, 12; longspur (sp.), 44. **Total,** 88 species; about 11,976 individuals.—Edgar Cunningham, Jan Gordon, J. P. Ferrill, Mr. and Mrs. L. G. Huey, Ann Huey, W. B. Lee, John Mulligan, Mr. and Mrs. O. C. Sheffield, Carl Weber (Tyler Audubon Society).

446. Billings, Mont. (7½-mile radius centering on Carter Oil Refinery in Yellowstone Valley between Billings and Huntley; irrigated farmlands 50%, upland pasture and wheat fields 10%, timbered bottoms 10%, marshes, drainage ditches, river 15%, urban 5%, rimrocks 10%).—Dec. 26; 8 a.m. to 5 p.m. Partly cloudy; temp. 7° to 35°; wind W to NW, 5-10 m.p.h.; ground bare, backwaters of Yellowstone River frozen, spring-fed creeks and drains open. Eleven observers in 5 parties. Total party-hours, 24 (15 on foot, 9 by car); total party-miles, 190 (22 on foot, 168 by car). Mallard, 172; Am. Golden-eye, 51; Am. Merganser, 5; Cooper's Hawk, 1; Rough-legged Hawk, 2; Golden Eagle, 4; Bald Eagle, 2; Sparrow Hawk, 2; Ring-necked Pheasant, 57; Wilson's Snipe, 1; Belted Kingfisher, 2; Red-shafted Flicker, 10; Downy Woodpecker, 5; Am. Magpie, 118; Piñon Jay, 50; Black-capped Chickadee, 60; Brown Creeper, 3; Am. Robin, 3; Townsend's Solitaire, 6; Bohemian Waxwing, 35; Gray Shrike, 1; Common Starling, 251; House Sparrow, 92; Western Meadowlark, 20; Slate-colored Junco, 1; Am. Tree Sparrow, 11; Song Sparrow, 12. **Total,** 27 species; about 977 individuals. (Seen in area Dec. 25: Horned Owl, Short-eared Owl; Jan. 1: Screech Owl.) —Marguerite Boerner, David Carlstrom, William Hoheisel, James Jarrett, Jack Johnson, John Leete, Donald Orcutt, Liven Peterson (compiler), Winifred Stull, Roland Summers, Joseph Tyler (Billings Audubon Society).

447. Fortine, Mont. (triangular area extending 3 miles west and 4 miles north of Fortine; fields and sparsely timbered hills 15%, second-growth conifers 45%, dense conifer woods 15%, creek flats of mixed spruce-broadleaf 25%).—Dec. 26; 8 a.m. to 5 p.m. Mostly cloudy, broken at mid-day; temp. 19° to 30°; no wind; 2-4-in. fresh snow, streams mostly unfrozen. Two observers in 1 party. Total party-hours, 9 (all on foot); total party-miles, 14. Mallard, 32; Green-winged Teal, 2; Rough-legged Hawk, 1; Golden Eagle, 1; Ruffed Grouse, 3; Wilson's Snipe, 7; Horned Owl, 1; Red-shafted Flicker, 2; Pileated Woodpecker, 3; Hairy Woodpecker, 8; Downy Woodpecker, 2; Gray Jay, 2; Am. Magpie, 5; Common Raven, 18; Clark's Nutcracker, 26; Black-capped Chickadee, 4; Mountain Chickadee, 44; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 66; Am. Dipper, 1; Bohemian Waxwing, 18; Gray Shrike, 1; Evening Grosbeak, 12; Pine Grosbeak, 25; Common Redpoll, 115; Red Crossbill, 216; White-winged Crossbill, 88; Oregon Junco, 18; Song Sparrow, 1; Snow Bunting, 4. **Total,** 30 species; about 740 individuals. (Unusually large numbers of Red Crossbills, White-winged Crossbills, Pine Grosbeaks, Red-breasted Nuthatches due to heavy conifer seed crop.) —Winton Weydemeyer (compiler), Robert Weydemeyer.

448. Great Falls, Mont. (7½-mile radius centering on Rainbow Dam, including Missouri River, Big Falls, Ryan, Black Eagle and Rainbow Dams, Giant Springs; range 45%, plow land 30%, willow groves 10%, ravines 15%).—Jan. 1; 9:30 a.m. to 5 p.m. Clear; temp. 24° to 42°; wind SW, very light; no snow, river mostly frozen above Black Eagle Dam, swift water and Giant Springs open. Five observers in 1 party. Total party-hours, 37 (11 on foot, 26 by car); total party-miles, 255 (18 on foot, 237 by car). Mallard, 507; Gadwall, 1; Am. Widgeon, 4; Green-winged Teal, 1; Redhead, 3; Canvas-back, 1; Lesser Scaup, 9; Am. Golden-eye, 576; Buffle-head, 11; Am. Merganser, 26; Rough-legged Hawk, 1; Golden Eagle, 2; Ring-necked Pheasant, 1; Am. Coot, 15; **Killdeer,** 1; **Glaucous Gull,** 1 (carefully identified); Horned Owl, 1; Red-shafted Flicker, 7; Downy Woodpecker, 2; Am. Magpie, 10; Am. Robin, 2; Townsend's Solitaire, 1; Common Starling, 1; House Sparrow, 72; Common Redpoll, 13; Am. Goldfinch, 8; Am. Tree Sparrow, 2; Song Sparrow, 1. **Total,** 28 species; about 1281 individuals. (In area Dec. 23: Canada Goose, Black-capped Chickadee, Cedar Waxwing.)—John Person (compiler), Tom Walker, Bob Huntsbeger, Paul Farlan, Jeff Walker.

449. Helena, Mont. (7½-mile radius centering in NE Tion, including cemetery, East Helena, Mount Helena, Montana City, Helena; pasture and plow land 40%, coniferous forest 35%, farm woodlots 20%, towns 5%).—Dec. 28; 7 a.m. to 3 p.m. Clear; temp. 7° to 19°; wind SSW, 2-6 m.p.h.; 1-in. crusted snow, water frozen except parts of Ten Mile and Prickley Pear Creeks. One observer. Total hours, 8 (4 on foot, 4 by car); total miles, 60 (2 on foot, 58 by car). Goshawk, 1; Ring-necked Pheasant, 1; Horned Owl, 2; Red-shafted Flicker, 3; Am. Magpie, 63; Clark's Nutcracker, 3; Black-capped Chickadee, 4; Mountain Chickadee, 17; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 6; Brown Creeper, 1; Common Starling, 20; House Sparrow, 50; Common Redpoll, 20; Pine Siskin, 25; Red Crossbill, 35; Am. Tree Sparrow, 25. **Total,** 17 species; 280 individuals. —Charles L. Beveridge.

450. Libby, Mont. (approximately same area as 1953).—Dec. 30; 8 a.m. to 5 p.m. Cloudy with occasional snow; temp. 30° to 34°; no wind; 4-in. snow, ponds frozen, marsh mostly frozen, creeks and river nearly free of ice. Six observers in 2 parties. Total party-hours, 17 (16 on foot, 1 by car); total party-miles, 45 (20 on foot, 25 by car). Mallard, 98; golden-eye (sp.), 2; Am. Merganser, 12; merganser (sp.), 1; **Franklin's Grouse,** 1; Ruffed Grouse, 5; Killdeer, 29; Wilson's Snipe, 31; Red-shafted Flicker, 4; Hairy Woodpecker, 1; Gray Jay, 2; Common Raven, 11; Black-capped Chickadee, 67; Mountain

Chickadee, 15; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 12; Brown Creeper, 3; Am. Dipper, 13; Winter Wren, 2; Am. Robin, 5; Townsend's Solitaire, 2; Golden-crowned Kinglet, 12; Bohemian Waxwing, 70; Common Starling, 13; House Sparrow, 199; Evening Grosbeak, 99; Pine Grosbeak, 23; Common Redpoll, 185; Am. Goldfinch, 8; Red Crossbill, 42; Oregon Junco, 16; Song Sparrow, 21. **Total,** 31 species; about 1010 individuals. (Seen in area Dec. 28: Downy Woodpecker, 2.) —Gerry Croy, Robert Cole, Douglas Munts, Thomas Rogers (compiler), Austin Vaughn, John Wilson.

451. Malta, Mont. (3½-mile radius centering in Bowdoin National Wildlife Refuge; pasture 60%, plow land 5%, deciduous groves 5%, marsh 30%).—Dec. 30; 8:15 a.m. to 3:15 p.m. Clear; temp. 13° to 42°; wind S to SW, 4-5 m.p.h.; 1-in. soft snow, all water frozen. Two observers in 2 parties. Total party-hours, 14 (10 on foot, 4 by car); total party-miles, 35 (9 on foot, 26 by car). Canada Goose, 5; Mallard, 700; Rough-legged Hawk, 1; Golden Eagle, 1; Marsh Hawk, 2; Ring-necked Pheasant, 1450; Horned Owl, 1; Snowy Owl, 5; Red-shafted Flicker, 3; Downy Woodpecker, 1; Horned Lark, 21; Am. Magpie, 9; Black-capped Chickadee, 14; Brown Thrasher, 1; Common Starling, 7; House Sparrow, 30; Am. Tree Sparrow, 38; Snow Bunting, 9. **Total,** 18 species; about 2298 individuals.—Leon C. Snyder (compiler), Eldon L. Bates.

452. Casper, Wyo. (same as 1948 and subsequent years).—Jan. 2; 7:30 a.m. to 5 p.m. Clear; temp. 30° to 40°; wind SW, 40 m.p.h.; prairies bare, 18-in. snow on mountain. Twenty-four observers in 5 parties. Total party-hours, 38 (19 on foot, 19 by car); total party-miles, 247 (48 on foot, 199 by car). Mallard, 175; Am. Golden-eye, 53; Am. Merganser, 1; Red-tailed Hawk, 2; Rough-legged Hawk, 2; Ferruginous Hawk, 1; Golden Eagle, 9; Bald Eagle, 2; Prairie Falcon, 1; Blue Grouse, 1; Sage Hen, 16 (found with aid of dog); Ring-necked Pheasant, 5; Killdeer, 1; Wilson's Snipe, 5; Ring-billed Gull, 6; Horned Owl, 6; Yellow-shafted Flicker, 4; Red-shafted Flicker, 22; Hairy Woodpecker, 5; Downy Woodpecker, 14; Steller's Jay, 6; Am. Magpie, 302; Piñon Jay, 1; Clark's Nutcracker, 6; Black-capped Chickadee, 23; Mountain Chickadee, 40; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 1; Pygmy Nuthatch, 2; Brown Creeper, 2; Am. Robin, 2; Bohemian Waxwing, 385; Cedar Waxwing, 8; Common Starling, 97; House Sparrow, 746; Brewer's Blackbird, 1; Gray-crowned Rosy Finch, 730; Slate-colored Junco, 2; Oregon Junco, 2 (Pink-sided,1); Am. Tree Sparrow, 19; Song Sparrow, 10. **Total,** 41 species (1 additional subspecies); about 2721 individuals.—Mary Arnold, Alice Bennett, Bobby Burkhart, Carolyn, R. R. and Mr. and Mrs. L. R. Burkhart, Mary Dille, Mr. and Mrs. W. R. Earnshaw, Sue Gloriod, Mr. and Mrs. V. W. Jacquot, Elmer Johnson, Travis Look, Mr. and Mrs. E. T. Pummill, Mr. and Mrs. L. C. Rognstad, O. K. Scott (compiler), J. C. Warkley, Mr. and Mrs. J. W. Yant, Joanne Yant (Wyoming Audubon Society).

453. Rawlins, Wyo. (7½-mile radius centering at intersection of 7th Street and Lincoln Highway in Sinclair, west to Rawlins, east to Fort Steele, north to Williams Canyon, south halfway to Little Sage Creek; urban 30%, sagebrush flats 40%, timbered riverbottom 30%).—Dec. 27; 7:45 a.m. to 5:15 p.m. Clear; temp. 5° to 17°; wind ENE to N, 6 m.p.h.; ground 20% covered with 1-12-in. crusted snow, fresh water frozen except small areas of North Platte River. Two observers in 1 party. Total party-hours, 9½ (1½ on foot, 8 by car); total party-miles, 99 (2 on foot, 97 by car). Am. Golden-eye, 33; Am. Merganser, 1; Red-tailed Hawk, 2; Rough-legged Hawk, 7; Ferruginous Hawk, 1; Golden Eagle, 4; Horned Owl, 3; Red-shafted Flicker, 5; Am. Magpie, 33; Mountain Chickadee, 4; Townsend's Solitaire, 4; Bohemian Waxwing, 175; Gray Shrike, 1; Common Starling, 20; House Sparrow, 237; Am. Tree Sparrow, 9; Song Sparrow, 1. **Total,** 17 species; about 540 individuals. (Seen in area Dec. 31: Gray-crowned Rosy Finch, 55, including 5 Hepburn's; Jan. 1: Mallard, 12; Downy Woodpecker.)—Mrs. Walter Lambertsen, Mrs. Philip Hendricks.

454. Boulder, Colo. (7½-mile radius centering on municipal airport; streets and parks 20%, open farmland 40%, Ponderosa Pine forest 10%, reservoirs 10%, Cottonwood stream bottoms 10%, thickets on canyon floors 10%).—Jan. 1; 6 a.m. to 4:45 p.m. Clear; temp. 25° to 46°; wind W, up to 25 m.p.h.; 3-in. crusted snow, lakes frozen except Boulder and Owen's. Fourteen observers in 5 parties. Total party-hours, 29 (7 on foot, 22 by car); total party-miles, 229 (7 on foot, 222 by car). **Great Blue Heron,** 2; Mallard, 6900; Am. Widgeon, 50; Pintail, 120; Green-winged Teal, 2; **Ring-necked Duck,** 1; Red-tailed Hawk, 5; Golden Eagle, 1; Marsh Hawk, 3; Prairie Falcon, 1; Sparrow Hawk, 5; Ring-necked Pheasant, 20; Killdeer, 11; Wilson's Snipe, 11; Herring Gull, 3; Ring-billed Gull, 6; **Pygmy Owl,** 1 (D.G.A., G.A.); Belted Kingfisher, 6; Red-shafted Flicker, 72; Yellow-bellied Sapsucker, 1 (red-naped); Hairy Woodpecker, 3; Downy Woodpecker, 5; Lewis's Woodpecker, 13; Horned Lark, 37; **Scrub Jay,** 3 (several observers); Steller's Jay, 47; Am. Magpie, 140; Am. Crow, 10; Piñon Jay, 65; Black-capped Chickadee, 16; Mountain Chickadee, 20; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 1; Brown Creeper, 10; Am. Dipper, 1; **Winter Wren,** 1; Cañon Wren, 5; Am. Robin, 5; Townsend's Solitaire, 3; Common Starling, 238; House Sparrow, 623; Western Meadowlark, 95; Red-winged Blackbird, 4; Evening Grosbeak, 12; Cassin's Finch, 1; House Finch, 63; Pine Siskin, 1; Am. Goldfinch, 45; White-winged Junco, 20; Slate-colored Junco, 17; Oregon Junco, 102 (Shufeldt's and Pink-sided); Gray-headed Junco, 14; junco (sp.), 353; Am. Tree Sparrow, 136; White-crowned Sparrow, 4 (2 Gambel's); White-throated Sparrow, 1; Song Sparrow, 8. **Total,** 56 species (2 additional subspecies); about 9347 individuals. (Seen in area Dec. 30: Bohemian Waxwing, Myrtle Warbler.)—Douglas G. Alexander, Gordon Alexander (compiler), Marion I. Alexander, Leslie M. Baylor, Kathleen L. Beargie,

Lawrence D. Crowley, John Fitch, Eleanor S. Hough, John N. Hough, Edna L. Johnson, Marjorie Knorr, Owen A. Knorr, William A. Weber, Olwen Williams (Univ. of Colorado).

455. **Colorado Springs, Colo.** (same area as last year).—Dec. 26; 7:15 a.m. to 4:30 p.m. Clear a.m., snow end of day; temp. 10° to 40°; wind N to SE, 0-10 m.p.h.; ground free of snow during count except 1-4-in. old snow in mountains, almost all ponds low and frozen, creeks mostly frozen. Thirty-two observers in 9 parties, including 13 feeders. Total party-hours, 55 (40 on foot, 15 by car); total party-miles, 329 (36 on foot, 293 by car). Great Blue Heron, 4; Mallard, 75; **Pintail,** 1; **Am. Golden-eye,** 2; Sharp-shinned Hawk, 1; Red-tailed Hawk, 4; Rough-legged Hawk, 4; Ferruginous Hawk, 1; Golden Eagle, 7; Bald Eagle, 1; Marsh Hawk, 8; **Prairie Falcon,** 2; **Pigeon Hawk, 2;** Sparrow Hawk, 9; **Swainson's Hawk,** 1 (G.T.S.); Ring-necked Pheasant, 15; Am. Coot, 1; **Scaled Quail,** 10; Killdeer, 10; Wilson's Snipe, 19; Horned Owl, 5; Long-eared Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 92; Hairy Woodpecker, 13; Downy Woodpecker, 14; Horned Lark, 190; **Steller's Jay,** 244; Scrub Jay, 73; Am. Magpie, 444; Am. Crow, 218; Piñon Jay, 2; Black-capped Chickadee, 82; Mountain Chickadee, 137; Common Bushtit, 64; White-breasted Nuthatch, 39; Red-breasted Nuthatch, 1; Pygmy Nuthatch, 60; Brown Creeper, 15; Am. Dipper, 2; **Carolina Wren,** 1; Cañon Wren, 6; Am. Robin, 5; Townsend's Solitaire, 5; Golden-crowned Kinglet, 30; Cedar Waxwing, 4; Gray Shrike, 3; Loggerhead Shrike, 1; Common Starling, 242; House Sparrow, 838; Western Meadowlark, 169; Red-winged Blackbird, 697; Brewer's Blackbird, 20; Evening Grosbeak, 1; Cassin's Finch, 14; House Finch, 529; Pine Siskin, 211; Am. Goldfinch, 29; Lesser Goldfinch, 1; Spotted Towhee, 18; White-winged Junco, 43; Slate-colored Junco, 110; Oregon Junco, 1093; **Gray-headed Junco,** 659; Am. Tree Sparrow, 1093; Chipping Sparrow, 1; White-crowned Sparrow, 122; White-throated Sparrow, 3; Song Sparrow, 97. **Total,** 69 species (3 additional subspecies [?—Ed.]); about 7919 individuals. (Seen in area around census time: Cooper's Hawk, Mourning Dove, Green-winged Teal, Canada Goose, Bohemian Waxwing, Snow Bunting, Am. Widgeon.)—Mrs. T. L. Adams, Evelyn Binz, Anna Condit, Mrs. Lavinia H. Curtis, Stanley Davis, Edna Dessaint, Mrs. Kenneth E. Ewing, Mrs. L. B. Field, Larry Field, Margaret H. Floyd, Mary A. Hamilton, Mrs. Marjorie B. Leavens, Mrs. M. W. McRoberts, Mrs. Prudence Mick, Dorothy Mierow, Mr. and Mrs. R. Newton Miller, Jean Miller, Kent Nelson, Paul W. Nesbit, Mary Shirer, Mr. and Mrs. George Sinton, Wilbur Sinton, Mrs. F. V. Slifer, Marshall Sprague, Robert M. Stabler, Mrs. B. E. Sutton, Mrs. Helen B. Thurlow, James H. Turner (compiler), Mr. and Mrs. H. J. Weberbauer (Aiken Ornithological Society).

456. **Crook, Colo.** (7½-mile radius centering on Marcott beet loader 4 miles east of Crook, including Jumbo Reservoir and Tamarack Ranch; Cottonwood riverbottom 20%, native hay meadows 5%. sandhill sage 40%, prairie 10%, open farmland 20%, town and farmyards 2%, marshes 1%, ditches and reservoirs 2%).—Dec. 27; 7:45 a.m. to 3:30 p.m. Overcast; temp. 14° to 28°; wind NW, 5-20 m.p.h.; 2-4-in. new snow, South Platte River, larger ditches, seeps and reservoirs almost ice-free. Three observers in 2 parties. Total party-hours, 9 (4 on foot, 5 by car); total party-miles, 69 (8 on foot, 61 by car). Mallard, 30,412; Green-winged Teal, 3; Am. Golden-eye, 2; Am. Merganser, 5; Rough-legged Hawk, 4; Bald Eagle, 1; Marsh Hawk, 4; Prairie Falcon, 3; Pigeon Hawk, 1; Greater Prairie Chicken, 15; Bobwhite, 17; Ring-necked Pheasant, 22; Killdeer, 3; Wilson's Snipe, 5; Herring Gull, 2; Horned Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 1; Downy Woodpecker, 2; Horned Lark, 2929; Am. Magpie, 34; Am. Crow, 1; Black-capped Chickadee, 28; Common Starling, 19; House Sparrow, 47; Western Meadowlark, 65; Red-winged Blackbird, 61; **Cardinal,** 1; **Common Redpoll,** 1 (R.A.R.); Am. Goldfinch, 24; White-winged Junco, 12; Slate-colored Junco, 44; Oregon Junco, 578 (Pink-sided, 36); junco (sp.), 150; Am. Tree Sparrow, 750; White-crowned Sparrow, 2; Song Sparrow, 14; Lapland Longspur, 23; McCowan's Longspur, 2; longspur (sp.), 75. **Total,** 38 species (1 additional subspecies); about 35,364 individuals. —H. R. Jones, R. A. Ryder (compiler), D. D. Wilson.

457. **Durango, Colo.** (from town to Bondad, principally in Animas River valley, side trips across Florida Mesa into Florida River valley; scrub oak-pine hillsides 50%, open farmland 15%, Cottonwood groves and willow thickets 10%, sagebrush 25%).—Dec. 26; 8:15 a.m. to 5:20 p.m. Overcast, increasing cloudiness; temp. 18° to 43°; no wind; patches of snow in areas, small ponds frozen, larger reservoirs partially frozen, rivers edged with ice. Three observers in 1 party. Total party-hours, 9 (4 on foot, 5 by car), total party-miles, 94 (6 on foot, 88 by car). **Common Loon,** 1 (carefully studied by all observers); **Canada Goose,** 22; Mallard, 10; Ring-necked Duck, 5; Am. Golden-eye, 39; Am. Merganser, 1; duck (sp.), 20; Red-tailed Hawk, 1; Golden Eagle, 2; Bald Eagle, 1; Marsh Hawk, 3; Prairie Falcon, 1; Sparrow Hawk, 3; Belted Kingfisher, 2; Red-shafted Flicker, 17; Downy Woodpecker, 2; Lewis's Woodpecker, 3; Scrub Jay, 40; Steller's Jay, 23; Am. Magpie, 92; Common Raven, 2; Piñon Jay, 21; Black-capped Chickadee, 5; Mountain Chickadee, 9; Am. Dipper, 4; Am. Robin, 277; Western Bluebird, 3; Mountain Bluebird, 1; **Townsend's Solitaire,** 76; Common Starling, 82; House Sparrow, 121; Western Meadowlark, 5; Red-winged Blackbird, 1342; House Finch, 16; Pine Siskin, 55; Spotted Towhee, 6; Oregon Junco, 343 (Pink-sided, 22); Gray-headed Junco, 137; White-crowned Sparrow, 11 (Gambel's, 2); Song Sparrow, 15. **Total,** 39 species (2 additional subspecies); about 2819 individuals. (In area Dec. 22: Say's Phoebe; Dec. 24: White-winged Junco.)—R. W. Dawson, Thomas J. Frizell, Oppie Reames (compiler).

458. Fort Collins, Colo. (7½-mile radius centered on Terry Lake; irrigated farmland with reservoirs 70%, Cottonwood riverbottoms 15%, brushy canyons 10%, city and cemetery 5%).—Jan. 2; 8:30 a.m. to 4:30 p.m. Clear, temp. 29° to 48°; wind 0-2 m.p.h.; ground half snow-covered, reservoirs frozen except part of Lindenmeier Lake, Cache la Poudre River partly frozen. Three observers in 1 party. Total party-hours, 8 (5 on foot, 3 by car); total party-miles, 92 (6 on foot, 86 by car). Mallard, 1200; Am. Widgeon, 1; Pintail, 10; Green-winged Teal, 4; Shoveller, 4; Am. Merganser, 2; Marsh Hawk, 4; Scaled Quail, 32; Ring-necked Pheasant, 17; Killdeer, 2; Belted Kingfisher, 1; Red-shafted Flicker, 22; Lewis's Woodpecker, 3; Steller's Jay, 32; Am. Magpie, 103; Black-capped Chickadee, 9; Mountain Chickadee, 17; Brown Creeper, 1; Am. Dipper, 7; Cañon Wren, 1; Townsend's Solitaire, 1; Common Starling, 4; House Sparrow, 55; Western Meadowlark, 18; Red-winged Blackbird, 50; House Finch, 2; Oregon Junco, 62 (Pink-sided); Am. Tree Sparrow, 132; White-crowned Sparrow, 5; Song Sparrow, 2. **Total,** 30 species; about 1803 individuals.—Robert E. Lamb (compiler), Tom Semerad, Victoria Semerad.

459. Grand Junction, Colo. (30-mile oval starting at city parks).—Dec. 30; 8:30 a.m. to 4:30 p.m. Clear; temp. 4° to 32°; wind SE, 0-5 m.p.h.; old snow in shade, river open. Seven observers in 2 parties. Total party-hours, 56 (? on foot, ? by car), total party-miles, 210 (? on foot, ? by car). Mallard, 200; Red-tailed Hawk, 1; Bald Eagle, 1; Marsh Hawk, 11; Pigeon Hawk, 1; Sparrow Hawk, 15; Ring-necked Pheasant, 7; Gambel's Quail, 24; Killdeer, 3; Belted Kingfisher, 3; Red-shafted Flicker, 30; Hairy Woodpecker, 1; Downy Woodpecker, 1; Say's Phoebe, 2; Am. Magpie, 102; Black-capped Chickadee, 17; Mountain Chickadee, 2; Brown Creeper, 1; Bewick's Wren, 1; Am. Robin, 19; Mountain Bluebird, 118; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 1; Cedar Waxwing, 4; Loggerhead Shrike, 8; Common Starling, 236; House Sparrow, 630; Western Meadowlark, 55; Red-winged Blackbird, 1074; House Finch, 48; Common Redpoll, 27; Am. Goldfinch, 6; Spotted Towhee, 1; Oregon Junco, 135; Gray-headed Junco, 55; Am. Tree Sparrow, 1; White-crowned Sparrow, 451; Song Sparrow, 30. **Total,** 38 species; about 3325 individuals.—E. Carman, F. Carman, L. Ela, E. Gerken, L. Gustafson, G. Hooker, J. Hooker.

460. Gunnison, Colo. (junction of Gunnison and Tomichi Rivers to 2½ miles NE of Almont; floodplain Cottonwoods 35%, town 10%, sagebrush 20%, coniferous forest 20%, farmlands 15%).—Dec. 27; 8 a.m. to 5:30 p.m. Snow till 8:30, then clear; temp. 10° to 20°; wind E, 10 m.p.h.; ground with 9-15-in. snow, swiftest parts of streams open. Three observers in 1 party. Total party-hours, 9½ (7 on foot, 2½ by car); total party-miles, 41 (7 on foot, 34 by car). Duck (sp.), 2; Goshawk, 1; Rough-legged Hawk, 1; Sparrow Hawk, 1; Horned Lark, 7; Am. Magpie, 63; Common Raven, 1; Black-capped Chickadee, 9; Mountain Chickadee, 4; White-breasted Nuthatch, 1; Brown Creeper, 3; Am. Dipper, 9; Common Starling, 50; House Sparrow, 55; Brown-capped Rosy Finch, 100; Black Rosy Finch, 2; Common Redpoll, 2; Am. Tree Sparrow, 1. **Total,** 18 species; about 313 individuals. (In area Dec. 26: Belted Kingfisher, Song Sparrow; Dec. 29: Gray-crowned Rosy Finch.)—A. M. Capron, Mrs. A. Sidney Hyde, A. Sidney Hyde (compiler).

461. Idaho Springs, Colo. (same area as last 3 years).—Jan. 2; 7 a.m. to 4:30 p.m. Clear; temp. 20° to 30°; wind W, 25 m.p.h.; 2-6-in. snow, pools of water in Clear Creek. Six observers in 3 parties. Total party-hours, 31 (18 on foot, 10 by car, 3 by snowshoe); total party-miles, 81 (18 on foot, 60 by car, 3 by snowshoe). Red-tailed Hawk, 3; Golden Eagle, 2; **Blue Grouse,** 2 (J.F.); Hairy Woodpecker, 2; Downy Woodpecker, 4; **Gray Jay,** 12; Steller's Jay, 29; Am. Magpie, 20; Common Raven, 6; Clark's Nutcracker, 8; Black-capped Chickadee, 5; Mountain Chickadee, 95; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Brown Creeper, 4; Townsend's Solitaire, 22; Golden-crowned Kinglet, 4; House Sparrow, 5; Gray-crowned Rosy Finch, 4; Black Rosy Finch, 1; **Brown-capped Rosy Finch,** 61; White-winged Junco, 2; Slate-colored Junco, 1; Oregon Junco, 2; Gray-headed Junco, 22. **Total,** 25 species; 318 individuals.—Ona Anderson, John Chapin, (compiler), John Flavin, Ferd Kleinschnitz, Thompson Marsh, Donald Thatcher (Colorado Bird Club).

462. Jefferson County, Colo. (7½-mile radius centering just north of Ken Caryl Ranch entrance, through the Hogback about 10 miles SW of Denver; wooded mountains 15%, scrub 30%, riverbottoms 30%, open plains 15%, lakes and ponds 10%).—Dec. 26; 5 a.m. to 5 p.m. Snowing all day; temp. 15° to 25°; wind W, 0-5 m.p.h.; streams open, lakes and ponds 50% open, 5-in. snow by dusk. Thirty-three observers in 12 parties. Total party-hours, 100 (60 on foot, 40 by car); total party-miles, 450 (50 on foot, 400 by car). Pied-billed Grebe, 5; Great Blue Heron, 5; **Whistling Swan,** 2 (present for weeks); Canada Goose, 156; Mallard, 1897; Gadwall, 27; Am. Widgeon, 94; Pintail, 29; Green-winged Teal, 24; Shoveller, 25; **Wood Duck,** 1 (J.F.); Redhead, 7; Ring-necked Duck, 15; Canvas-back, 20; Lesser Scaup, 2; Am. Golden-eye, 20; Buffle-head, 6; Ruddy Duck, 4; Am. Merganser, 3000; Red-breasted Merganser, 2; accipiter (sp.), 1; Red-tailed Hawk, 8; Golden Eagle, 4; Prairie Falcon, 1; **Peregrine Falcon,** 1; Sparrow Hawk, 16; Ring-necked Pheasant, 56; Am. Coot, 200; Killdeer, 48; Wilson's Snipe, 13; **Glaucous Gull,** 1 (carefully identified—J. C. party); Herring Gull, 13; Ring-billed Gull, 67; Horned Owl, 3; Belted Kingfisher, 8; Red-shafted Flicker, 110; Hairy Woodpecker, 6; Downy Woodpecker, 21; Horned Lark, 391; Scrub Jay, 22; Steller's Jay, 55; **Am. Magpie,** 649; Am. Crow, 149; Black-capped Chickadee, 106; Mountain Chickadee, 76; White-breasted Nuthatch, 8; Pygmy Nuthatch, 89; Brown Creeper, 12; Am. Dipper, 6; Winter Wren, 1; Cañon Wren, 10; Rock Wren, 1; Am. Robin, 10; Townsend's

Solitaire, 18; Golden-crowned Kinglet, 2; Cedar Waxwing, 10; Gray Shrike, 2; Common Starling, 96; House Sparrow, 351; Western Meadowlark, 325; Red-winged Blackbird, 154; Brewer's Blackbird, 40; Evening Grosbeak, 10; Cassin's Finch, 4; House Finch, 160; rosy finch (sp.), 2; Pine Siskin, 367; Am. Goldfinch, 651; Spotted Towhee, 4; White-winged Junco, 79; Slate-colored Junco, 91; Oregon Junco, 735; Gray-headed Junco, 259; junco (sp.), 573; Am. Tree Sparrow, 448; White-crowned Sparrow, 134; **White-throated Sparrow,** 2 (DeMents); **Fox Sparrow,** 1; **Lincoln's Sparrow,** 2 (carefully identified); **Swamp Sparrow,** 1; Song Sparrow, 135. **Total,** 80 species; about 12,159 individuals.—John Chapin (compiler), Mrs. A. H. Crow, Larry Crowley, David, Gerald, Ruth, and Ted DeMent, John and Margaret Douglass, John Flavin, Alma and William Foerster, Leo Galloway, Robert Glover, James Humphrey, David Juergens, Alma Kirkeby, Ferd Kleinschnitz, Leonard Licht, Alice, Lucy, Mary, and Thompson Marsh, Vera Mathews, E. D. McKee, Phyllis McRae, Sadie Morrison, Ray Olson, Olney Smith, Ransom Stone, Donald Thatcher, Harold Webster, Ruth Wheeler (Colorado Bird Club).

463. **Longmont, Colo.** (same area as 1951 and subsequent years).—Dec. 29; 7 a.m. to 4:30 p.m. Mostly clear a.m., cloudy p.m.; temp. 8° to 29°; wind SW, 0-5 m.p.h.; 3-5-in. powdery snow, streams partly frozen, small open areas on 3 reservoirs. Three observers in 2 parties (plus 16 observing in yards). Total party-hours, 17½ (8 on foot, 9½ by car); total party-miles, 106 (8 on foot, 98 by car). **Snow Goose,** 2; Mallard, 4531; Pintail, 4; Red-tailed Hawk, 1; Rough-legged Hawk, 4; Bald Eagle, 1; Marsh Hawk, 10; Prairie Falcon, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 9; Killdeer, 33; Wilson's Snipe, 11; Herring Gull, 10; **Mourning Dove,** 1; Lewis's Woodpecker, 4; Belted Kingfisher, 7; Red-shafted Flicker, 73; Hairy Woodpecker, 1; Downy Woodpecker, 4; Scrub Jay, 1; Horned Lark, 488; Steller's Jay, 15; Am. Magpie, 146; Am. Crow, 625; Black-capped Chickadee, 42; Mountain Chickadee, 66; White-breasted Nuthatch, 11; Brown Creeper, 2; Am. Dipper, 21; Long-billed Marsh Wren, 1; Am. Robin, 4; **Water Pipit,** 10; Gray Shrike, 1; Common Starling, 593; House Sparrow, 514; Western Meadowlark, 176; Red-winged Blackbird, 2162; Brewer's Blackbird, 52; **Brown-headed Cowbird,** 3; House Finch, 103; Pine Siskin, 1; Am. Goldfinch, 6; Slate-colored Junco, 8; Oregon Junco, 139 (Pink-sided, 121); Gray-headed Junco, 1; Am. Tree Sparrow, 910; **Harris's Sparrow,** 4; White-crowned Sparrow, 56; Song Sparrow, 30. **Total,** 49 species (1 additional subspecies); about 10,900 individuals. (Seen in area during count period: Canada Goose, Golden Eagle, Blue Jay, Cassin's Finch.)—Vera Anderson, Jay Arnold, Mrs. R. J. Baysdorfer, Mrs. E. J. Boyd, Mrs. W. J. Cheley, Mrs. Carl N. Collister (compiler), Ruby Collister, Mr. and Mrs. Harvey Guernsey, Peggy Guernsey, Gladys Hubbard, Ray Jones, Jackie Landers, Mrs. Kent Sanborn, Mr. and Mrs. Alex Schlupp, Betty Schlupp, Nellie Simms, Mrs. Nina Stultz.

464. **Prowers-Bent Counties, Colo.** (7½-mile radius centered 2½ miles east of Bent Co. line, 10 miles north of Baca Co. line; entire area short-grass plains; plowed land 40%, grassland 40%, stream 15%, farmyards 5%).—Jan. 2; 8 a.m. to 4:30 p.m. Partially overcast; temp. 36° to 50°; wind SW, 0-10 m.p.h.; old snow drifts, stream mostly covered with thin ice. Two observers in 1 party. Total party-hours, 7½ (1 on foot, 6½ by car); total party-miles, 119 (2 on foot, 117 by car). Rough-legged Hawk, 9; Ferruginous Hawk, 8; Golden Eagle, 2; Marsh Hawk, 5; Sparrow Hawk, 7; Horned Lark, 148; Am. Magpie, 3; shrike (sp.), 1; House Sparrow, 76; Western Meadowlark, 8; Am. Tree Sparrow, 1. **Total,** 11 species; 268 individuals. (In count area Dec. 31: Killdeer.)—Mr. and Mrs. Frank Sample.

465. **Bosque del Apache National Wildlife Refuge, San Antonio, N. Mex.** (area between Rio Grande River to bluff along west side of Highway 85; impoundments and dikes 75%, irrigated farmland 20%, willow-cottonwood-tamarisk bottomland 2%, mesquite and saltbush 3%).—Dec. 30; 7 a.m. to 2 p.m. [quitting too early—Ed.]. Clear, temp. 6° to 42°; wind S, 2 m.p.h.; open water in places. Six observers in 3 parties. Total party-hours, 15 (2 on foot, 13 by car); total party-miles, 52 (2 on foot, 50 by car). Pied-billed Grebe, 6; Great Blue Heron, 31; Am. Egret, 2; Black-crowned Night Heron, 1; Whistling Swan, 32; Canada Goose, 7660; Snow Goose, 152; Mallard, 9364; Gadwall, 2267; Am. Widgeon, 16; Pintail, 1258; Green-winged Teal, 163; Cinnamon Teal, 2; Shoveller, 2253; Buffle-head, 2; Ruddy Duck, 4; Hooded Merganser, 3; Am. Merganser, 229; Red-tailed Hawk, 6; Swainson's Hawk, 1; Rough-legged Hawk, 6; Golden Eagle, 1; Marsh Hawk, 23; Sparrow Hawk, 6; Gambel's Quail, 340; Ring-necked Pheasant, 2; Sandhill Crane, 1237; Virginia Rail, 1; Am. Coot, 48; Killdeer, 19; Wilson's Snipe, 9; Greater Yellow-legs, 6; Least Sandpiper, 7; Road-runner, 7; Horned Owl, 2; Belted Kingfisher, 7; Red-shafted Flicker, 31; Ladder-backed Woodpecker, 1; Say's Phoebe, 4; Am. Robin, 45; Mountain Bluebird, 510; Water Pipit, 1; Loggerhead Shrike, 7; Common Starling, 650; House Sparrow, 23; Western Meadowlark, 7; Red-winged Blackbird, 45,000; Brewer's Blackbird, 500; Spotted Towhee, 1; Vesper Sparrow, 2; Oregon Junco, 4; White-crowned Sparrow, 299; Song Sparrow, 17. **Total,** 53 species; about 72,275 individuals. (Seen in area Dec. 28: Common Raven; Dec. 29: Lesser Scaup, Bald Eagle, Blue Goose; Jan. 2: Yellow-headed Blackbird, Crissal Thrasher.)—Raymond H. Hunter (compiler) T. L. Davis, Loyd L. Hurt, Delbert L. Boggs, Robert A. Garrett, Roe Meyers.

466. **Clayton, N. Mex.** (primarily same area as 1953.; town and environs 10%, farming 15%, canyon 15%, lakes 5%, prairie 20%, along Perico Creek 35%).— Dec. 26; 7:45 a.m. to 5:15 p.m. Overcast early, light clouds later; temp. 23° to 44°; wind NNE, 8-15 m.p.h.; most still and some flowing water frozen. Four observers in 3 parties. Total party-hours, 18 (10 on foot, 8 by car); total party-miles, 76 (5

on foot, 71 by car). Mallard, 23; Green-winged Teal, 2; Red-tailed Hawk, 3; Rough-legged Hawk, 2; Ferruginous Hawk, 3; Golden Eagle, 3; Sparrow Hawk, 3; Scaled Quail, 8; Mourning Dove, 1; Horned Owl, 3; Belted Kingfisher, 1; Red-shafted Flicker, 8; Ladder-backed Woodpecker, 3; Horned Lark, 177; Scrub Jay, 2; Am. Magpie, 47; Mountain Chickadee, 1; Am. Robin, 4; Townsend's Solitaire, 10; Golden-crowned Kinglet, 1; Loggerhead Shrike, 13; Common Starling, 244; House Sparrow, 300; Western Meadowlark, 43; Red-winged Blackbird, 30; **Pine Grosbeak,** 1; Cassin's Finch, 1; House Finch, 1; Pine Siskin, 149; Baird's Sparrow, 1; Slate-colored Junco, 1; Oregon Junco, 97 (Pink-sided, 76); Am. Tree Sparrow, 1; Harris's Sparrow, 1; White-crowned Sparrow, 8; Song Sparrow, 16; McCown's Longspur, 16. **Total,** 37 species (1 additional subspecies); about 1228 individuals.—W. Cook, A. Krehbiel (compiler), P. Snoeberger, W. Snoeberger.

467. **Española, N. Mex.** (7½-mile radius centering on Rio Grande bridge at Española, including pueblos of San Juan, Santa Clara, San Ildefonso, villages of Chaunita, Pojoaque, Chimayó, Alcalde; river bottomland 75%, conifer mesas 25%, Ponderosa Pines 10%, open prairie 15%, [125%—Ed.]).—Jan. 2; 7:30 a.m. to 5 p.m. Mostly cloudy; temp. 20° to 42°; wind W, 1-5 m.p.h.; snow on ground at higher elevations and sheltered places, river open, ponds covered with ice. Ten observers in 4 parties. Total party-hours, 42 (11½ on foot, 30½ by car); total party-miles, 118 (30 on foot, 88 by car). Great Blue Heron, 1; Mallard, 7; Am. Golden-eye, 13; Buffle-head, 2; Am. Merganser, 2; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 8; Scaled Quail, 7; Ring-necked Pheasant, 3; Killdeer, 5; Wilson's Snipe, 5; **Western Sandpiper,** 1 (M.G., J.R.); Mourning Dove, 14; Belted Kingfisher, 7; Red-shafted Flicker, 34; **Lewis's Woodpecker,** 45; Hairy Woodpecker, 1; **Say's Phoebe,** 3; Steller's Jay, 1; Scrub Jay, 2; Am. Magpie, 76; Common Raven, 9; Am. Crow, 8; Black-capped Chickadee, 5; Mountain Chickadee, 8; White-breasted Nuthatch, 2; Brown Creeper, 1; Bewick's Wren, 4; **Sage Thrasher,** 2; Am. Robin, 473; Western Bluebird, 25; Mountain Bluebird, 161; Townsend's Solitaire, 15; Ruby-crowned Kinglet, 1; Cedar Waxwing, 2; Loggerhead Shrike, 2; Common Starling, 21; **Myrtle Warbler,** 1 (M.V.M., L.G.H.); Audubon's Warbler, 1; House Sparrow, 241; Western Meadowlark, 59; Red-winged Blackbird, 70; Brewer's Blackbird, 16; Evening Grosbeak, 20; Cassin's Finch, 2; House Finch, 19; Pine Siskin, 80; Lesser Goldfinch, 71; Spotted Towhee, 2; Oregon Junco, 205 (Pink-sided, 19); Gray-headed Junco, 156; White-crowned Sparrow, 87; **White-throated Sparrow,** 1 (M.M., L.H.); Song Sparrow, 25. **Total,** 57 species (1 additional subspecies); about 2040 individuals. (Seen during week: Canada Goose, 20.) —Carl W. Bjorklund, Marilyn Bjorklund, Marion Gibbs, Leslie G. Hawkins, W. Burton Lewis, M. Vincent Mowbray, Joseph D. Pickard, John Ruth, Carl E. Snider, Patricia R. Snider (compiler) (Los Alamos Bird Club).

468. **Roswell, N. Mex.** (7½-mile radius centering on College and Atkinson Sts., including Bitter Lake Refuge, south to East Grand Plains, west to western city limits, east to Pecos River; plowed field 25%, pond 55%, suburbs 5%, Tamarisk riverbottom 5%, grass field 5%, prairie 5%).—Dec. 31; 6 a.m. to 5:15 p.m. Clear to scattered clouds; temp. 16° to 49°; wind NE to ENE, 0-13 m.p.h.; 1-2-in. scattered crusted snow, water frozen except Pecos River. Seven observers in 4 parties. Total party-hours, 65 (26 on foot, 39 by car); total party-miles, 182 (9 on foot, 173 by car). Pied-billed Grebe, 19; Great Blue Heron, 10; Am. Egret, 2; Black-crowned Night Heron, 3; Am. Bittern, 1; Whistling Swan, 1; Canada Goose, 89; Mallard, 13,456; Gadwall, 447; Am. Widgeon, 2574; Pintail, 8255; Green-winged Teal, 156; Shoveller, 52; Redhead, 47; Ring-necked Duck, 2; Canvasback, 52; Am. Golden-eye, 1; Buffle-head, 4; Ruddy Duck, 39; Am. Merganser, 57; Sharp-shinned Hawk, 1; Red-tailed Hawk, 7; Golden Eagle, 2; Marsh Hawk, 11; Sparrow Hawk, 17; Scaled Quail, 264; Ring-necked Pheasant, 1; Sandhill Crane, 6049; Am. Coot, 23; Killdeer, 4; Wilson's Snipe, 2; Greater Yellow-legs, 3; Dowitcher, 3; **Am. Avocet,** 1; Herring Gull, 2; Ring-billed Gull, 1; Mourning Dove, 13; Road-runner, 2; Burrowing Owl, 1; Red-shafted Flicker, 2; Red-headed Woodpecker, 3; Downy Woodpecker, 2; Say's Phoebe, 1; Horned Lark, 4; Scrub Jay, 2; Brown Creeper, 1; House Wren, 1; Bewick's Wren, 1; Long-billed Marsh Wren, 5; Mockingbird, 2; Sage Thrasher, 2; Am. Robin, 2; Water Pipit, 6; Loggerhead Shrike, 7; Common Starling, 1507; Audubon's Warbler, 7; House Sparrow, 797; Western Meadowlark, 51; Red-winged Blackbird, 881; Brewer's Blackbird, 4085; House Finch, 1; Am. Goldfinch, 3; Green-tailed Towhee, 1; Savannah Sparrow, 1; Sage Sparrow, 32; Slate-colored Junco, 16; Oregon Junco, 28; Gray-headed Junco, 5; White-crowned Sparrow, 217; Song Sparrow, 34. **Total,** 69 species; about 39,381 individuals.—D. L. Boggs, D. L. Boggs, Jr., L. E. Beaty, R. H. Garrett, R. E. Meyer, V. Montgomery, S. E. Tanner (compiler).

469. **Socorro, N. Mex.** (same as last year; river bosque 50%, irrigated farmland 25%, mesquite-creosote upland 5%, juniper-oak foothills 20%).—Jan. 2; 7 a.m. to 5 p.m. Overcast most of day; temp. 21° to 58°; wind S, 3-5 m.p.h.; slow-flowing water in ditches and ponds frozen. Two observers in 1 party. Total party-hours, 9 (6 on foot, 3 by car); total party-miles, 43 (5 on foot, 38 by car). Great Blue Heron, 1; Canada Goose, 13; Gadwall, 4; Am. Merganser, 13; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 3; Rough-legged Hawk, 1; Marsh Hawk, 5; Sparrow Hawk, 16; Sandhill Crane, 1105; Killdeer, 7; Wilson's Snipe, 1; Mourning Dove, 2; Road-runner, 7; Belted Kingfisher, 1; Red-shafted Flicker, 12; Hairy Woodpecker, 3; Ladder-backed Woodpecker, 12; **Black Phoebe,** 2; Say's Phoebe, 13; Mountain Chickadee, 2; **Verdin,** 1; White-breasted Nuthatch, 3; Brown Creeper, 1; Bewick's Wren, 1; Am. Robin, 3; Western Bluebird, 45; Mountain Bluebird, 175;

Townsend's Solitaire, 1; Ruby-crowned Kinglet, 3; Water Pipit, 134; Loggerhead Shrike, 6; Common Starling, 18; House Sparrow, 195; Western Meadowlark, 60; Yellow-headed Blackbird, 70; Red-winged Blackbird, 40,000; Brewer's Blackbird, 10,000; Brown-headed Cowbird, 12; House Finch, 48; Pine Siskin, 56; Am. Goldfinch, 45; Lesser Goldfinch, 25; Spotted Towhee, 9; Vesper Sparrow, 1; Oregon Junco, 120; Gray-headed Junco, 10; **Am. Tree Sparrow,** 150; White-crowned Sparrow, 580; Lincoln's Sparrow, 8; Song Sparrow, 30. **Total,** 52 species; about 53,036 individuals.—Raymond J. Fleetwood (compiler), Nona J. Fleetwood.

470. **Lewiston, Idaho** (6-mile radius from Clearwater Dam).—Dec. 31; 7 a.m. to 5 p.m. Overcast a.m., clearing later; temp. 35° to 45°; wind W, 15 m.p.h.; ground clear, most still water covered with ice. Two observers together. Total hours, 10; total miles, 90 (5 on foot, 85 by car). Great Blue Heron, 1; Canada Goose, 118; Snow Goose, 1; Mallard, 10,227; Am. Widgeon, 135; Pintail, 3; Green-winged Teal, 68; Am. Golden-eye, 7; Am. Merganser, 2; Goshawk, 1; Sharp-shinned Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 3; California Quail, 150; Ring-necked Pheasant, 129; Am. Coot, 8; Killdeer, 14; Wilson's Snipe, 1; Ring-billed Gull, 1; Mourning Dove, 23; Horned Owl, 3; Red-shafted Flicker, 9; Am. Magpie, 7; Black-capped Chickadee, 6; Long-billed Marsh Wren, 1; **Mockingbird,** 1 (seen at very close range); Am. Robin, 129; Golden-crowned Kinglet, 3; Bohemian Waxwing, 23; Gray Shrike, 1; Common Starling, 27; House Sparrow, 162; Western Meadowlark, 11; Red-winged Blackbird, 40; House Finch, 47; Am. Goldfinch, 53; Oregon Junco, 187; Am. Tree Sparrow, 10; White-crowned Sparrow, 23; Song Sparrow, 54. **Total,** 41 species; about 11,692 individuals.—Ethel Verner, Jared Verner (compiler).

471. **Moscow, Idaho** (4-mile radius centered at Moscow, including disposal plant where there is always open water; open fields with streams supporting willows and brush 50%, coniferous forest 40%, residential area 10%).—Dec. 26; 7 a.m. to 4:30 p.m. Overcast, occasional light snow; temp. 10° to 25°; light, shifting winds; 4-6-in. snow, nearly all water frozen. Two observers together. Total hours, 9½; total miles, 74 (7 on foot, 67 by car). Mallard, 132; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 3; California Quail, 15; Ring-necked Pheasant, 36; Killdeer, 14; Wilson's Snipe, 2; Short-eared Owl, 2; Red-shafted Flicker, 11; Am. Magpie, 20; Black-capped Chickadee, 16; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 13; Pygmy Nuthatch, 1; Brown Creeper, 1; Am. Robin, 174; Varied Thrush, 6; Golden-crowned Kinglet, 9; Bohemian Waxwing, 146+; Gray Shrike, 2; Common Starling, 243+; House Sparrow, 146+; House Finch, 2; Pine Siskin, 18; Am. Goldfinch, 5; Red Crossbill, 4; Spotted Towhee, 1; Oregon Junco, 326+; Am. Tree Sparrow, 10; White-crowned Sparrow, 1; Song Sparrow, 25. **Total,** 32 species; about 1387 individuals. (Seen in count area Dec. 24: Pigeon Hawk, Hermit Thrush.)—Ralph Alley, Jared Verner (compiler).

472. **Nampa, Idaho** (7½-mile radius centering at Deer Flat National Wildlife Refuge, including Lake Lowell, Indian Creek to first crossing above Kings, Nampa city parks; pasture 20%, plow land 35%, swamp 10%, parks 5%, suburbs 10%, wooded area surrounding lake 20%).—Dec. 29; 8 a.m. to 5 p.m. Snow after 9 a.m.; temp. 25° to 35°; wind SSE to NW, 20-7 m.p.h.; 2-in. snow by 2 p.m., lake frozen, streams open. Six observers in 3 parties. Total party-hours, 39 (9 on foot, 30 by car); total party-miles, 64 (6 on foot, 58 by car). Canada Goose, 2827 (Lesser, 25; Cackling, 2); Snow Goose, 1; Mallard, 95,000; Am. Widgeon, 22,000; Pintail, 18,000; Am. Merganser, 3000; Cooper's Hawk, 1; Red-tailed Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 3; **Pigeon Hawk,** 5; Sparrow Hawk, 2; Bobwhite, 42; Ring-necked Pheasant, 228; Ring-billed Gull, 122; Mourning Dove, 26; Long-eared Owl, 3; Red-shafted Flicker, 25; Horned Lark, 67; Am. Magpie, 138; Common Raven, 3; Am. Crow, 959; Am. Robin, 18; Water Pipit, 25; Common Starling, 372; House Sparrow, 2164; Western Meadowlark, 9; Brewer's Blackbird, 11; House Finch, 32; Pine Siskin, 3; Am. Goldfinch, 162; Oregon Junco, 157; White-crowned Sparrow, 330; Song Sparrow, 6. **Total,** 34 species (2 additional subspecies); about 145,744 individuals. (Seen in area Jan. 1: Bohemian Waxwing, Killdeer, Am. Robin.)—Mrs. Joseph Saltzer, Mrs. C. C. Hill, Keith Applegate, Elsie Allan, F. Sheldon Dart, Mrs. H. E. Shaw.

473. **Rexburg, Idaho** (7½-mile radius centering 7 miles southeast of Rexburg, including Snake River as far as Menan; farmland 60%, towns 10%, riverbottom 15%, sagebrush 15%).—Jan. 1; 8 a.m. to 5 p.m. Cloudy, intermittent snow; temp. 30° to 40°; wind SW, 4-8 m.p.h.; ground covered with 12-18-in. snow, river partly open, warm sloughs open. One observer. Total hours, 9 (6 on foot, 3 by car); total miles, 70 (7 on foot, 63 by car). Great Blue Heron, 1; Mallard, 92; Green-winged Teal, 3; Am. Golden-eye, 15; **Goshawk,** 1, (adult); Cooper's Hawk, 1; Marsh Hawk, 1; Ring-necked Pheasant, 2; **Killdeer,** 6; **Wilson's Snipe,** 4; Horned Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 3; Downy Woodpecker, 1; Am. Magpie, 110; Black-capped Chickadee, 22; Long-billed Marsh Wren, 1; Am. Robin, 100; Bohemian Waxwing, 1000; Gray Shrike, 1; Common Starling, 32; House Sparrow, 500; Red-winged Blackbird, 2; Brewer's Blackbird, 4; Am. Goldfinch, 1; Am. Tree Sparrow, 25; Song Sparrow, 3. **Total,** 27 species; about 1933 individuals.—Donnell Hunter.

474. **Sandpoint, Idaho** (7½-mile radius centering on First and Cedar Streets, including Wrencoe, Dufort, Oden, Sunnyside, west arm of Pend Oreille Lake, east side of Bald Mt.; lake 70%, suburbs 10%, deciduous farm woodlots 10%, conifer mountainside 10%).—Dec. 28; 8 a.m. to 4 p.m. Intermittent snow; temp. 20° to 22°; wind W to WSW, 1-6 m.p.h.; 2-3-in. crusted snow, small lakes and bays covered with ice. Five observers in 2 parties. Total party-hours, 14 (4 on foot, 10 by car); total party-miles,

118 (7 on foot, 111 by car). **Arctic Loon,** 1; Western Grebe, 3; Whistling Swan, 5; Mallard, 244; Am. Widgeon, 18; Pintail, 5; Redhead, 113; Ring-necked Duck, 3; Canvas-back, 84; Greater Scaup, 240; Am. Golden-eye, 5; Buffle-head, 14; Am. Merganser, 1; Ruffed Grouse, 1; Am. Coot, 5805; Red-shafted Flicker, 1; Black-capped Chickadee, 179; Golden-crowned Kinglet, 7; Gray Shrike, 1; House Sparrow, 18; Oregon Junco, 39; Am. Tree Sparrow, 101. **Total,** 22 species; about 6888 individuals.—R. Delamarter, L. DeWitt, C. Hansen, P. Jeppson (compiler), K. Stradley.

475. **Bear River Migratory Bird Refuge, Brigham, Utah** (refuge headquarters west along canal road, south and east over dikes to Perry, north along foothills to Brigham, west touching points along Bear River; marsh and ponds 50%, fields and farmlands 25%, open pasture and river banks 25%).—Dec. 27; 8:30 a.m. to 4 p.m. Clear; temp. 18° to 24°; wind N, 10-15 m.p.h.; trace of snow, ponds and marsh frozen, river partly frozen. Four observers in 1 party. Total party-hours, 7½ (1 on foot, 6½ by car); total party-miles, 41 (2 on foot, 39 by car). Pied-billed Grebe, 15; Great Blue Heron, 20; Whistling Swan, 251; Canada Goose, 61; Mallard, 180; Am. Widgeon, 1; Pintail, 143; Green-winged Teal, 24; Shoveller, 2; Canvas-back, 1; Am. Golden-eye, 27; Buffle-head, 7; Ruddy Duck, 4; Am. Merganser, 18; Red-breasted Merganser, 18; Rough-legged Hawk, 4; Ferruginous Hawk, 1; Golden Eagle, 5; Bald Eagle, 12; Marsh Hawk, 24; Prairie Falcon, 1; Peregrine Falcon, 1; Ring-necked Pheasant, 26; Am. Coot, 11; Killdeer, 4; Wilson's Snipe, 1; Herring Gull, 10; Ring-billed Gull, 1; Red-shafted Flicker, 1; Horned Lark, 60; Am. Magpie, 50; Common Raven, 45; Long-billed Marsh Wren, 2; Water Pipit, 61; Gray Shrike, 1; Loggerhead Shrike, 1; Common Starling, 23; House Sparrow, 259; Western Meadowlark, 5; Red-winged Blackbird, 7; Brewer's Blackbird, 2; Am. Goldfinch, 3; Vesper Sparrow, 3; Oregon Junco, 8; Chipping Sparrow, 1 [no details—Ed.]; White-crowned Sparrow, 26; Song Sparrow, 15. **Total,** 47 species; about 1446 individuals.—Vanez T. Wilson, Leo T. Young, Allen G. Smith, Robert L. Darnell.

476. **Roosevelt, Utah** (same as 1950 and subsequent years).—Dec. 29; 8 a.m. to 5 p.m. Moderate to thin overcast; temp. 2° to 23°; no wind; patches of 1-3-in. snow, warm springs open. Six observers in 2 parties. Total party-hours, 18 (6 on foot, 12 by car); total party-miles, 164 (9 on foot, 155 by car). Great Blue Heron, 2; Mallard, 136; Green-winged Teal, 15; Lesser Scaup, 5; Am. Merganser, 2; Goshawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 4; Rough-legged Hawk, 7; Golden Eagle, 2; **Bald Eagle,** 1; Marsh Hawk, 11; Peregrine Falcon, 1; Pigeon Hawk, 2; Sparrow Hawk, 11; Ring-necked Pheasant, 338; Killdeer, 1; Wilson's Snipe, 2; Red-shafted Flicker, 47; Downy Woodpecker, 3; Horned Lark, 384; Am. Magpie, 466; Am. Crow, 2; Black-capped Chickadee, 3; Long-billed Marsh Wren, 19; **Brown Thrasher,** 1 (collected); Am. Robin, 27; Mountain Bluebird, 4; Loggerhead Shrike, 2; Common Starling, 802; House Sparrow, 887; Western Meadowlark, 38; Red-winged Blackbird, 4477; Am. Goldfinch, 167; Oregon Junco, 246; Am. Tree Sparrow, 459; Chipping Sparrow, 14 [no details—Ed.]; White-crowned Sparrow, 45; Song Sparrow, 27. **Total,** 39 species; about 8862 individuals.—Don N. Crittenden, Lewis Fausett, Ford Larsen, Merlin L. Killpack, John Perceval, Kent Robison.

477. **Salt Lake City, Utah** (7½-mile radius centering in City and County Building; canyons and benchlands 50%, water courses, ponds and open country 40%, parks, cemeteries and suburbs 10%).—Dec. 26; 7:30 a.m. to 5 p.m. Cloudy, snow squalls p.m.; temp. 28° to ? °; wind [?—Ed.]. Thirty-four observers in 14 parties. Total party-hours, 98; total party-miles, 281 (99 on foot, 182 by car). Pied-billed Grebe, 10; **White Pelican,** 13; Great Blue Heron, 9; Black-crowned Night Heron, 1; Whistling Swan, 943; Canada Goose, 414; Mallard, 356; Gadwall, 408; Am. Widgeon, 81; Pintail, 858; Green-winged Teal, 2017; Blue-winged Teal, 4; Cinnamon Teal, 37; Shoveller, 208; Redhead, 6; Canvas-back, 28; Lesser Scaup, 12; Am. Golden-eye, 4; Ruddy Duck, 4; Am. Merganser, 12; Goshawk, 1; Sharp-shinned Hawk, 9; Cooper's Hawk, 9; Red-tailed Hawk, 4; **Swainson's Hawk,** 1 (B.S.); Rough-legged Hawk, 9; Ferruginous Hawk, 1; Golden Eagle, 8; Bald Eagle, 1; Marsh Hawk, 24; Prairie Falcon, 3; Peregrine Falcon, 4; Pigeon Hawk, 3; Sparrow Hawk, 19; Blue Grouse, 7; Ruffed Grouse, 3; California Quail, 1082; Ring-necked Pheasant, 317; Virginia Rail, 3; Am. Coot, 580; Killdeer, 181; Wilson's Snipe, 78; Greater Yellow-legs, 1; Lesser Yellow-legs, 5; California Gull, 77; Ring-billed Gull, 1799; Franklin's Gull, 2 (R.S.) [no details—Ed.]; Mourning Dove, 9; Screech Owl, 3; Horned Owl, 5; Pigmy Owl, 1; Long-eared Owl, 1; Short-eared Owl, 5; Saw-whet Owl, 1; Belted Kingfisher, 3; Red-shafted Flicker, 201; Lewis's Woodpecker, 20; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 18; Downy Woodpecker, 18; Horned Lark, 583; Steller's Jay, 200; Scrub Jay, 94; Am. Magpie, 150; Common Raven, 6; Clark's Nutcracker, 1; Black-capped Chickadee, 156; Mountain Chickadee, 54; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 1; Brown Creeper, 19; Am. Dipper, 7; Long-billed Marsh Wren, 28; Am. Robin, 775; Townsend's Solitaire, 15; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 1; Water Pipit, 1305; Bohemian Waxwing, 6021; Cedar Waxwing, 769; Gray Shrike, 5; Common Starling, 3447; Common Yellow-throat, 3; House Sparrow, 14,016; Western Meadowlark, 184; Red-winged Blackbird, 1191; Brewer's Blackbird, 18,549; **Brown-headed Cowbird,** 2 (B. S.); Evening Grosbeak, 57; House Finch, 816; Gray-crowned Rosy Finch, 466 (Hepburn's, 200); Black Rosy Finch, 419; Pine Siskin, 257; Am. Goldfinch, 340; **Green-tailed Towhee,** 3; Spotted Towhee, 93; **Vesper Sparrow,** 7; Slate-colored Junco, 5; Oregon Junco, 395 (Pink-sided, 14); Gray-headed Junco, 6; Am. Tree Sparrow, 23; Harris's Sparrow, 6; White-crowned Sparrow, 506 (mostly Gambel's);

Song Sparrow, 307. **Total,** 104 species (3 additional subspecies); about 61,242 individuals.—William H. Behle, Fern Bell, Mabel Best, O. L. Byers, Thomas A. Dewey, Thayer Evans, Reed W. Ferris, Elsie Geoghegan, Lucile Gilmer, Mrs. Betty Jones, Gleb Kashin, Harold Lamb, Jon Leatha, Mrs. Charles Lockerbie, Charles Lockerbie (compiler), Derrell McCullough, Mr. and Mrs. Stewart Romney, Mr. and Mrs. Boyd Shaffer, Rex B. Snow, J. M. Slevens, Kenneth Tanner, Bert Webb, William H. Bader, Mort Cheesman, Howard and Raymond Behle, Jon Ghiselen, Mrs. F. J. Patton, Garrett Steenblik, Jim Garrett, Ralph Miller, Gordon Tanner (Utah Audubon Society and guests).

478. Hereford, Ariz. (7½-mile radius including Miller Canyon, Nicksville, San Pedro River, Hereford, Palominas, Rancho del Rio, El Jokay Farm, Montezuma Canyon; oak chaparral 33%, moist canyon woods 11%, ponds and banks 22%, dry grassland 25%, river and environs 9%).—Dec. 29; 7 a.m. to 4 p.m. Clear; temp. 20° to 50°; wind SE, up to 10 m.p.h.; ground bare, some ice on ponds. Two observers in 1 party. Total party-hours, 9 (4 on foot, 5 by car); total party-miles, 62 (2 on foot, 60 by car). Pied-billed Grebe, 6; Mallard, 100; Gadwall, 12; Am. Widgeon, 8; Pintail, 50; Green-winged Teal, 23; Shoveller, 7; Redhead, 2; Ring-necked Duck, 2; Canvas-back, 4; Ruddy Duck, 1; Red-tailed Hawk, 6; Ferruginous Hawk, 1; Golden Eagle, 1; Marsh Hawk, 3; Sparrow Hawk, 3; Am. Coot, 55; Killdeer, 1; Mourning Dove, 45; Ground Dove, 3; Road-runner, 5; Gilded Flicker, 2; Gila Woodpecker, 1; Acorn Woodpecker, 1; Ladder-backed Woodpecker, 2; Black Phoebe, 1; Say's Phoebe, 2; Horned Lark, 36; Arizona Jay, 37; Common Raven, 5; Bridled Titmouse, 5; Common Bushtit, 55; House Wren, 1; Cactus Wren, 2; Crissal Thrasher, 1; Am. Robin, 1; Hermit Thrush, 1; Western Bluebird, 4; Ruby-crowned Kinglet, 2; Phainopepla, 3; Loggerhead Shrike, 13; Audubon's Warbler, 1; House Sparrow, 23; Eastern Meadowlark, 25; Western Meadowlark, 1; Cardinal, 1; Pyrrhuloxia, 4; **Lazuli Bunting,** 5 (well seen in good sunlight); House Finch, 53; Lesser Goldfinch, 5; Green-tailed Towhee, 3; Brown Towhee, 3; Lark Bunting, 50; Vesper Sparrow, 123; Black-throated Sparrow, 4; Oregon Junco, 6 (Pink-sided); Gray-headed Junco, 18; Chipping Sparrow, 200; Brewer's Sparrow, 50; White-crowned Sparrow, 74; Lincoln's Sparrow, 3; Chestnut-collared Longspur, 25. **Total,** 62 species; about 1190 individuals. (Seen during census period: Black-throated Gray Warbler.)—R. H. MacArthur, E. W. MacArthur.

479. Imperial National Wildlife Refuge, Ariz.–Calif. (refuge from Imperial Dam to and including Martinez Lake; brushy willow-cottonwood woodland 5%, open water with cattail-cane edges and barren sandbars 35%, mesquite-arrowweed-tamarisk brush bordering water 60%).—Dec. 29; 7 a.m. to 6 p.m. Clear; temp. 35° to 59°; wind N, 0-15 m.p.h. Two observers together. Total party-hours, 10 (5 on foot, 1 by car, 4 by boat); total party-miles, 28 (4 on foot, 10 by car, 14 by boat). Eared Grebe, 27; Pied-billed Grebe, 11; White Pelican, 12; Double-crested Cormorant, 24; Great Blue Heron, 9; Am. Egret, 14; Snowy Egret, 44; **Reddish Egret,** 1 (present since Oct. 1. Seen frequently since; imm.); Black-crowned Night Heron, 24; Canada Goose, 321; Snow Goose, 242; Mallard, 68; Gadwall, 24; Am. Widgeon, 59; Pintail, 361; Green-winged Teal, 684; Cinnamon Teal, 1; Shoveller, 17; Ring-necked Duck, 28; Canvas-back, 45; Am. Golden-eye, 6; Buffle-head, 15; Ruddy Duck, 41; Am. Merganser, 38; Turkey Vulture, 1; Red-tailed Hawk, 4; Harris's Hawk, 2; **Bald Eagle,** 1; Marsh Hawk, 11; Sparrow Hawk, 1; Gambel's Quail, 33; Florida Gallinule, 2; Am. Coot, 2900; Killdeer, 2; Wilson's Snipe, 6; Spotted Sandpiper, 2; Least Sandpiper, 28; Ring-billed Gull, 1600; Mourning Dove, 3; Belted Kingfisher, 2; Red-shafted Flicker, 10; Gilded Flicker, 1; Gila Woodpecker, 5; Yellow-bellied Sapsucker, 2; Ladder-backed Woodpecker, 1; Black Phoebe, 11; Say's Phoebe, 8; empidonax (sp.), 1; Vermilion Flycatcher, 2; Tree Swallow, 6048; Verdin, 15; House Wren, 4; Cactus Wren, 2; Long-billed Marsh Wren, 8; Rock Wren, 3; Crissal Thrasher, 3; Am. Robin, 1; Hermit Thrush, 2; Black-tailed Gnatcatcher, 10; Ruby-crowned Kinglet, 12; Water Pipit, 8; Cedar Waxwing, 1; Phainopepla, 5; Loggerhead Shrike, 4; Orange-crowned Warbler, 3; **Yellow Warbler,** 1 (female in cottonwoods at Imperial Dam. All identifying features noted; attention first directed to it by characteristic call note); Audubon's Warbler, 18; Common Yellowthroat, 5; Western Meadowlark, 44; Red-winged Blackbird, 56; Green-tailed Towhee, 1; Abert's Towhee, 2; Sage Sparrow, 28; Oregon Junco, 2; White-crowned Sparrow, 15. **Total,** 75 species; about 13,056 individuals. [Gray Flycatcher will be further described in Gale Monson's Regional Report in June issue. Without substantiating details it seems best to list it as empidonax (sp.)—Ed.]—Huyson J. Johnson, Gale Monson (U. S. Fish and Wildlife Service).

480. Phoenix, Ariz. (7½-mile radius centering on Osborn Road and Lateral 21½, including portions of Grand Canal, Salt River, New and Agua Fria River beds; urban 25%, cotton fields and cropland 24%, grain and pasture 12%, citrus 12%, open water and marshes 2%, dry river beds and uncleared creosote-bush desert 2% [23%=?—Ed.]).—Dec. 27; 7:30 a.m. to 5:45 p.m. Cloudy; temp. 36° to 50°; wind WNW to W, 10-34 m.p.h.; scattered ice on shaded areas of ponds. Fifteen observers in 2-3 parties. Total party-hours, 26 (18 on foot, 8 by car); total party-miles, 144 (10 on foot, 134 by car). Great Blue Heron, 4; Green Heron, 2; Canada Goose, 15; Mallard, 1295; Am. Widgeon, 58; Pintail, 6094; Green-winged Teal, 85; Cinnamon Teal, 3; Shoveller, 392; Redhead, 2; Ring-necked Duck, 2; Canvas-back, 4; Ruddy Duck, 12; Turkey Vulture, 47; Red-tailed Hawk, 8; **White-tailed Hawk,** 1 (carefully studied repeatedly since Dec. 11); **Rough-legged Hawk,** 1 (present for 2 weeks); Marsh Hawk, 15; Osprey, 1; Prairie Falcon, 1; Peregrine Falcon, 1; Sparrow Hawk, 18; Gambel's Quail, 23; Am. Coot, 11; Killdeer, 140; Wilson's Snipe, 67; Greater Yellow-legs,

3; Least Sandpiper, 217; Ring-billed Gull, 2; Mourning Dove, 310; Inca Dove, 11; Road-runner, 3; Burrowing Owl, 1; Red-shafted Flicker, 16; Gila Woodpecker, 16; Ladder-backed Woodpecker, 1; Black Phoebe, 12; Say's Phoebe, 7; Vermilion Flycatcher, 4; Horned Lark, 3; Verdin, 4; Bewick's Wren, 1; Cactus Wren, 5; Long-billed Marsh Wren, 7; Mockingbird, 10; Bendire's Thrasher, 2; Curve-billed Thrasher, 3; **Sage Thrasher,** 4 (1 collected); Am. Robin, 2; Water Pipit, 11; Loggerhead Shrike, 14; Common Starling, 18; Audubon's Warbler, 47; House Sparrow, 540; Western Meadowlark, 262; Yellow-headed Blackbird, 172; Red-winged Blackbird, 1847; Brewer's Blackbird, 5018; Brown-headed Cowbird, 20; Cardinal, 4; Lazuli Bunting, 2 [no details—ED.]; House Finch, 532; Lesser Goldfinch, 2; Abert's Towhee, 7; Lark Bunting, 23; Savannah Sparrow, 410; Vesper Sparrow, 6; Sage Sparrow, 6; Brewer's Sparrow, 22; White-crowned Sparrow, 804; Song Sparrow, 14; **Total,** 71 species; about 18,727 individuals.—B. Beal, Mrs. F. C. Betts, Mrs. L. Culver, Mrs. B. Demaree, B. Fawver, H. Hanson, R. R. Johnson, A. S. Margolin (compiler), M. Marvel, W. H. Patey, E. Phelps, M. B. Plunkett, J. M. Simpson, Mrs. I. Wasson, J. R. Werner (Maricopa Audubon Society).

481. Prescott, Ariz. (7-mile radius centering on Gurley and Montezuma Sts., including Groom Creek, Hassayampa Dam, Thumb Butte, Willow Creek, Willow Lake, Granite Dells, Watson Lake, Granite Creek; Ponderosa Pine forest 30%, chaparral 20%, juniper-piñon 15%, woodland 10%, open grassland 5%, lake shore 5%, suburbs 10%. [5%=?—ED.]).—Jan. 2; 8 a.m. to 5 p.m. Overcast; temp. 39° to 42°; wind SE, 9-12 m.p.h.; ground clear, lakes 70% frozen. Three observers in 1 party. Total party-hours, 9 (5 on foot, 4 by car); total party-miles, 57 (4 on foot, 53 by car). Pintail, 6; Ring-necked Duck, 7; Canvas-back, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; **Swainson's Hawk,** 1; Marsh Hawk, 4; Sparrow Hawk, 4; Gambel's Quail, 11; Killdeer, 6; Western Sandpiper, 5; Mourning Dove, 5; Road-runner, 3; Belted Kingfisher, 1; Red-shafted Flicker, 9; Acorn Woodpecker, 2; Ladder-backed Woodpecker, 4; Steller's Jay, 5; Scrub Jay, 44; Common Raven, 6; Plain Titmouse, 1; Bridled Titmouse, 1; Common Bushtit, 37; White-breasted Nuthatch, 2; Am. Robin, 11; Western Bluebird, 40; Ruby-crowned Kinglet, 5; Water Pipit, 18; Loggerhead Shrike, 1; House Sparrow, 61; Western Meadowlark, 45; Red-winged Blackbird, 300; House Finch, 135; Lesser Goldfinch, 11; Spotted Towhee, 8; Brown Towhee, 2; Slate-colored Junco, 1; Oregon Junco, 146 (Pink-sided, 4); Gray-headed Junco, 34; Chipping Sparrow, 112; White-crowned Sparrow, 195 (Gambel's, 21); Fox Sparrow, 1; Song Sparrow, 4. **Total,** 43 species (2 additional subspecies); about 1297 individuals. (In area Jan. 4: Phainopepla, 2.)—Lillian Ebe, Una Miller, Heidi McLernon (compiler).

482. Salt River, Ariz. (7½-mile radius centering on Coon's Bluff Recreation Area in Tonto National Forest, including Salt River, Sahuaro Lake, Verde River; water 10%, marsh and sloughs 5%, mesquite and thickets 20%, Cottonwoods 5%, desert 60%).—Dec. 30; 7:20 a.m. to 6 p.m. Some overcast; temp. 27° to 58°; wind ESE to E, 3-9 m.p.h. Nine observers in 2 parties. Total party-hours, 25½ (23 on foot, 2½ by car); total party-miles, 38 (15 on foot, 23 by car). Great Blue Heron, 5; Pintail, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; **Rough-legged Hawk,** 6 (dark phase); Sparrow Hawk, 5; Gambel's Quail, 18; Am. Coot, 7; Killdeer, 7; Wilson's Snipe, 9; Spotted Sandpiper, 5; Least Sandpiper, 14; Mourning Dove, 5; White-throated Swift, 61; **Costa's Hummingbird,** 1 (male); Belted Kingfisher, 1; Red-shafted Flicker, 6; Gilded Flicker, 5; Gila Woodpecker, 64; Yellow-bellied Sapsucker, 2; Ladder-backed Woodpecker, 12; Ash-throated Flycatcher, 2; Black Phoebe, 14; Say's Phoebe, 2; empidonax (sp.), 3; Vermilion Flycatcher, 1; Scrub Jay, 1; Bridled Titmouse, 2; Verdin, 17; Brown Creeper, 2; House Wren, 6; Cactus Wren, 5; Long-billed Marsh Wren, 8; Cañon Wren, 1; Rock Wren, 4; Curve-billed Thrasher, 5; **Crissal Thrasher,** 1 (collected); Blue-gray Gnatcatcher, 8; **Golden-crowned Kinglet,** 1 (collected); Ruby-crowned Kinglet, 74; Water Pipit, 10; Phainopepla, 36; Loggerhead Shrike, 5; Audubon's Warbler, 797; House Sparrow, 15; Red-winged Blackbird, 5225; Brewer's Blackbird, 285; Cardinal, 5; House Finch, 5; Brown Towhee, 4; Abert's Towhee, 72; Black-throated Sparrow, 31; Sage Sparrow, 4; Oregon Junco, 6; Brewer's Sparrow, 1; White-crowned Sparrow, 181; Song Sparrow, 12. **Total,** 57 species; about 7087 individuals. (Seen in area Dec. 23: Emperor Goose, 22; 2 shot by H. E. Sommer at Granite Reef Dam.)—J. T. Bialac, J. Daugherty, H. Hanson, R. R. Johnson, A. S. Margolin (compiler), W. H. Patey, M. B. Plunkett, J. M. Simpson, J. R. Werner (Maricopa Audubon Society).

483. Santa Catalina Mts., Ariz. (pine forest 5%, chaparral 10%, canyons 10%, desert foothills 25%, ponds 25%, desert trees 25%).—Dec. 31; 8:15 a.m. to 4:15 p.m. [weather?—ED.]; temp. 27° to 61°; wind calm. Eight observers in 4 parties. Total party-hours, 41 (35 on foot, 6 by car); total party-miles, 179 (25 on foot, 154 by car). Pied-billed Grebe, 1; Green Heron, 2; Mallard, 4; Shoveller, 2; Cooper's Hawk, 1; Red-tailed Hawk, 2; Sparrow Hawk, 4; Gambel's Quail, 143; Am. Coot, 48; Killdeer, 5; Mourning Dove, 23; Road-runner, 1; Belted Kingfisher, 1; Red-shafted Flicker, 51; Gilded Flicker, 2; Gila Woodpecker, 90; Acorn Woodpecker, 7; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Ladder-backed Woodpecker, 2; Black Phoebe, 6; Say's Phoebe, 10; Vermilion Flycatcher, 8; Steller's Jay, 2; Arizona Jay, 13; Common Raven, 1; Mountain Chickadee, 2; Verdin, 17; House Wren, 1; Winter Wren, 1; Cactus Wren, 12; Long-billed Marsh Wren, 5; Mockingbird, 8; Curve-billed Thrasher, 29; Am. Robin, 52; Western Bluebird, 2; Mountain Bluebird, 4; Blue-gray Gnatcatcher, 3; Black-tailed Gnatcatcher, 2; gnatcatcher (sp), 2; Ruby-crowned Kinglet, 38; Water Pipit, 2; Phainopepla, 19; Loggerhead Shrike, 5; Orange-crowned Warbler, 1; Audubon's Warbler,

12; Black-throated Gray Warbler, 1; House Sparrow, 78; Western Meadowlark, 40; Red-winged Blackbird, 50; Brewer's Blackbird, 500; Brown-headed Cowbird, 40; Cardinal, 50; Pyrrhuloxia, 5; House Finch, 30; Lesser Goldfinch, 5; Spotted Towhee, 9; Brown Towhee, 14; Abert's Towhee, 3; Lark Sparrow, 15; Black-throated Sparrow, 26; Gray-headed Junco, 11; Arizona Junco, 4; Chipping Sparrow, 4; Brewer's Sparrow, 1; White-crowned Sparrow, 177 (Gambel's, 1); Song Sparrow, 10. **Total,** 66 species (1 additional subspecies); about 1722 individuals.—R. B. Streets, Mr. and Mrs. Whitney Eastman, Shelton Boyd, Clifford Fiscus, Thornton Hayes, A. F. Sylvester, Ivan Peters (compiler).

484. Yuma, Ariz. (Avenue B west of town east to Gila Center, north to Laguna Dam and Mittry Lake, all on Arizona side of Colorado River; residential and river 25%, irrigated farmland 30%, brushland along shallow lake 40%, miscellaneous 5%).—Jan. 1; 7 a.m. to 6 p.m. Clear; temp. 36° to 67°; wind SE, 0-5 m.p.h.; water in Mittry Lake high. One observer. Total hours, 11 (8½ on foot, 2½ by car); total miles, 68 (6 on foot, 62 by car). Pied-billed Grebe, 4; White Pelican, 21; Double-crested Cormorant, 35; Great Blue Heron, 8; Am. Egret, 2; Canada Goose, 36; White-fronted Goose, 1; Mallard, 2; Am. Widgeon, 37; Pintail, 802; Green-winged Teal, 36; Shoveller, 66; Ruddy Duck, 2; Turkey Vulture, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Harris's Hawk, 3; Marsh Hawk, 6; Pigeon Hawk, 1; Sparrow Hawk, 17; Gambel's Quail, 3; Sora, 3; Florida Gallinule, 3; Am. Coot, 240; Killdeer, 36; Wilson's Snipe, 2; Spotted Sandpiper, 1; Greater Yellow-legs, 8; Least Sandpiper, 2; Ring-billed Gull, 837; Mourning Dove, 315; Ground Dove, 3; Road-runner, 4; Belted Kingfisher, 2; Red-shafted Flicker, 5; Gila Woodpecker, 14; Ladder-backed Woodpecker, 1; Black Phoebe, 5; Say's Phoebe, 8; Vermilion Flycatcher, 3; Horned Lark, 3; Tree Swallow, 81; Verdin, 6; Cactus Wren, 7; Long-billed Marsh Wren, 4; Rock Wren, 3; Mockingbird, 18; Crissal Thrasher, 3; Am. Robin, 20; Black-tailed Gnatcatcher, 7; Ruby-crowned Kinglet, 8; Water Pipit, 218; Cedar Waxwing, 18; Phainopepla, 2; Loggerhead Shrike, 11; Orange-crowned Warbler, 13; Audubon's Warbler, 129; Common Yellowthroat, 2; House Sparrow, 102; Western Meadowlark, 20; Yellow-headed Blackbird, 20,222; Red-winged Blackbird, 1354; Brewer's Blackbird, 663; Brown-headed Cowbird, 69; blackbird (sp.), 4000; House Finch, 9; Abert's Towhee, 11; Savannah Sparrow, 28; Vesper Sparrow, 1; Sage Sparrow, 1; Slate-colored Junco, 1; Oregon Junco, 2; Chipping Sparrow, 10; White-crowned Sparrow, 740; Lincoln's Sparrow, 1. **Total,** 75 species; about 30,367 individuals.—Gale Monson.

485. Olympia, Wash (7½-mile radius centering on Lacey, including Nisqually Flats, Budd and Eld inlets, Patterson, Long, Hicks, Capitol and Black Lakes; salt-water shore 20%, fresh-water shore 40%, roadside 20%, second-growth fir 10%, open farm 10%).—Dec. 26; 7:30 a.m. to 4.40 p.m. Partly cloudy; temp. 32° to 42°; wind SW, 2-4 m.p.h.; 1-2-in. new snow, lakes and ponds open. Eleven observers in 5 parties. Total party-hours, 26 (15 on foot, 11 by car); total party-miles, 100 (26 on foot, 74 by car). Common Loon, 2; Arctic Loon, 3; Red-necked Grebe, 3; Horned Grebe, 14; Western Grebe, 50; Pied-billed Grebe, 2; Double-crested Cormorant, 6; Great Blue Heron, 1; Green Heron, 1; Mallard, 89; Gadwall, 1; Am. Widgeon, 1230; Pintail, 8; Green-winged Teal, 1020; Shoveller, 8; Redhead, 14; Ring-necked Duck, 52; Canvas-back, 301; Greater Scaup, 180; Lesser Scaup, 17; Am. Golden-eye, 330; Barrow's Golden-eye, 16; Buffle-head, 92; White-winged Scoter, 460; Surf Scoter, 24; Ruddy Duck, 485; Am. Merganser, 101; Red-breasted Merganser, 240; Red-tailed Hawk, 1; Ruffed Grouse, 7; Ring-necked Pheasant, 3; Am. Coot, 400; Killdeer, 31; Wilson's Snipe, 1; Red-backed Sandpiper, 600; Western Sandpiper, 120; Glaucous-winged Gull, 255; Herring Gull, 483; California Gull, 40; Ring-billed Gull, 4; Short-billed Gull, 12; Bonaparte's Gull, 50; Common Murre, 1; Rhinoceros Auklet, 2; Horned Owl, 1; Belted Kingfisher, 5; Red-shafted Flicker, 22; Pileated Woodpecker, 2; Hairy Woodpecker, 2; Steller's Jay, 3; Northwestern Crow, 139; Black-capped Chickadee, 9; Chestnut-backed Chickadee, 39; Common Bushtit, 94; Red-breasted Nuthatch, 6; Brown Creeper, 4; Winter Wren, 20; Bewick's Wren, 6; Am. Robin, 271; Varied Thrush, 55; Golden-crowned Kinglet, 66; Ruby-crowned Kinglet, 22; House Sparrow, 5; Red-winged Blackbird, 5; Brewer's Blackbird, 276; Evening Grosbeak, 1; Purple Finch, 64; Pine Siskin, 1900; Spotted Towhee, 18; Oregon Junco, 97; Song Sparrow, 49 (Sooty, 1). **Total,** 71 species (1 additional subspecies); about 9942 individuals.—Dick Boone, Leo Couch, Michael Heath, Frank Lang, Christopher Mathews, Frank Mathews, Stephen Mathews, Margaret McKenny, Mrs. Aaron Kanouse, Gerry Vreeberg, Mrs. Charles Williams (Olympia Audubon Society).

486. Seattle, Wash. (same as last year except inclusion of business waterfront; woods and brush 15%, lakes and rivers 50%, salt-water shore 25%, parks and parkways 10%, suburban 10%, marsh 10% [120%—Ed.]).—Jan. 2; 9 a.m. to 4 p.m. Overcast a.m., sunny p.m.; temp. 30° to 40°; wind N to NE, 10-20 m.p.h. Thirty-seven observers in 14 parties. Total party-hours, 70; total party-miles, 118 (48 on foot, 69 by car, 1 by canoe). Common Loon, 1; Red-throated Loon, 2; Red-necked Grebe, 7; Horned Grebe, 38; Eared Grebe, 49; Western Grebe, 450; Pied-billed Grebe, 27; Double-crested Cormorant, 33; Brandt's Cormorant, 23; Pelagic Cormorant, 6; Great Blue Heron, 16; Am. Bittern, 1; Canada Goose, 3 (Cackling); Mallard, 996; Gadwall, 9; Am. Widgeon, 1111; Pintail, 208; Green-winged Teal, 128; Shoveller, 423; Ring-necked Duck, 15; Canvas-back, 6; Greater Scaup, 1390; Lesser Scaup, 413; scaup (sp.), 150; Am. Golden-eye, 171; Barrow's Golden-eye, 3; Buffle-head, 67; White-winged Scoter, 37; Surf Scoter, 71; Ruddy Duck, 232; Hooded Merganser, 25; Am. Merganser, 16; Red-breasted Merganser, 107; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Pigeon Hawk,

2; Sparrow Hawk, 2; California Quail, 67; Ring-necked Pheasant, 3; Am. Coot, 1892; Killdeer, 28; Wilson's Snipe, 3; **Spotted Sandpiper,** 1 (carefully studied—R.M.B.); Red-backed Sandpiper, 14; Sanderling, 28; Glaucous-winged Gull, 7407; Herring Gull, 80; California Gull, 313; Ring-billed Gull, 45; Short-billed Gull, 858; Bonaparte's Gull, 41; Rhinoceros Auklet, 6; Band-tailed Pigeon, 99; Belted Kingfisher, 2; Red-shafted Flicker, 57; Downy Woodpecker, 12; Steller's Jay, 16; Northwestern Crow, 46; Black-capped Chickadee, 142; Chestnut-backed Chickadee, 43; Common Bushtit, 248; Red-breasted Nuthatch, 6; **House Wren,** 1 (present for 3 weeks—J.I.C.); Winter Wren, 9; Bewick's Wren, 8; Long-billed Marsh Wren, 3; Am. Robin, 2370; Varied Thrush, 14; Golden-crowned Kinglet, 38; Ruby-crowned Kinglet, 34; Water Pipit, 34; Cedar Waxwing, 154; **Myrtle Warbler,** 6 (V.E.C.); Audubon's Warbler, 5; Townsend's Warbler, 4; **Black-throated Gray Warbler,** 4 (V.E.C.); House Sparrow, 468; Western Meadowlark, 7; Red-winged Blackbird, 2; Brewer's Blackbird, 90; Purple Finch, 201; **House Finch,** 52 (V.E.C.); Pine Siskin, 5580; Am. Goldfinch, 171; **Red Crossbill,** 50 (J.I.C.); Spotted Towhee, 49; Oregon Junco, 205; Golden-crowned Sparrow, 2; Fox Sparrow, 14; **Lincoln's Sparrow,** 3 (A.B.); Song Sparrow, 241. **Total,** 90 species; about 27,516 individuals.—Ward Beecher, Mr. and Mrs. R. M. Boggs, Alfred, Jean and Kathy Bricker, Violet E. Cannon, Kenneth C. Clark, Mrs. Charles Clise, Mrs. J. I. Colwell, Robert Dramer, Mr. and Mrs. Harlan H. Edwards, Martha Flahaut (compiler), Mr. and Mrs. Albert Forsman, Mr. and Mrs. A. C. Gunby, Mr. and Mrs. Frank Guthrie, Walter M. Hagenstein, Gloria Huntington, Doris Jelliffe, Bernice Jennings, Mr. and Mrs. Earl Larson, Gertrude Lovejoy, James MacDonald, Keith McDonald, G. M. and Katherine V. Privat, Webster H. Ransom, Bertha Schuler, Zella M. Schultz (co-ordinator), Vivian Thorne, Irene Urquhart, Mrs. Raymond Wright (Seattle Audubon Society).

487. Spokane, Wash. (same area as previous counts; lawns, parks and cemeteries 35%, rivers bordered with brush and coniferous woods 55%, irrigated tracts and open fields 10%).—Jan. 2; 8:30 a.m. to 3:30 p.m. [quitting too early—Ed.]. Cloudy; temp. 24° to 30°; wind SE, 7 m.p.h.; light snow on ground. Thirty-one observers in 12 parties. Total party-hours, 84; total party-miles, 339 (42 on foot, 297 by car). Pied-billed Grebe, 7; **Great Blue Heron,** 26; **Canada Goose,** 181; Mallard, 2425; Gadwall, 1; Am. Widgeon, 56; Pintail, 10; Green-winged Teal, 58; Wood Duck, 7; Redhead, 219; Ring-necked Duck, 265; Canvas-back, 50; Lesser Scaup, 200; **Am. Golden-eye,** 573; **Barrow's Golden-eye,** 6; Buffle-head, 6; Hooded Merganser, 5; Sharp-shinned Hawk, 3; Red-tailed Hawk, 2; Bald Eagle, 2; Osprey, 1 [no details—Ed.]; Sparrow Hawk, 1; **Ruffed Grouse,** 11; European Partridge, 10; California Quail, 326; Ring-necked Pheasant, 162; **Am. Coot,** 525; Killdeer, 1; Wilson's Snipe, 11; California Gull, 1; Ring-billed Gull, 5; Mourning Dove 1; Belted Kingfisher, 5; **Red-shafted Flicker,** 165; Hairy Woodpecker, 9; Downy Woodpecker, 14; **Am. Magpie,** 141; **Am. Crow,** 98; Clark's Nutcracker, 8; Black-capped Chickadee, 116; Mountain Chickadee, 4; White-breasted Nuthatch, 19; **Red-breasted Nuthatch,** 122; Pygmy Nuthatch, 104; Brown Creeper, 3; Am. Dipper, 6; Winter Wren, 2; **Am. Robin,** 3811; Varied Thrush, 7; Townsend's Solitaire, 2; Golden-crowned Kinglet, 124; **Bohemian Waxwing,** 3242; Gray Shrike, 6; **Common Starling,** 3; House Sparrow, 401; Red-winged Blackbird, 33; Evening Grosbeak, 106; Cassin's Finch, 25; **House Finch,** 70; Pine Siskin, 30; Am. Goldfinch, 35; **Red Crossbill,** 353; **Spotted Towhee,** 4; **Oregon Junco,** 1330; White-crowned Sparrow, 6; **Song Sparrow,** 143. **Total,** 66 species; about 15,704 individuals.—James Acton, Verna Adams, Pat Bonner, Mrs. A. I. Buchecker, Mattie Burke, Amelia Burns, Mr. and Mrs. Dick Castenholz, Mrs. Lloyd R. Christensen, George S. Clarke, Mrs. Archie Clough, Paul Dix, Tom Groh, Mr. and Mrs. M. C. Haggin, Bart Haggin, Irene Hunt, Lynn LaFave, Anne Merager, Mrs. G. W. Morrow, Earl W. Pettibone (compiler), Mrs. Georgia Price, A. C. Rettig, Mrs. Maurice J. Schanks, Mr. and Mrs. Stephen O. Stanley, Mr. and Mrs. Charles Tietgen, Theodore Turner, Jack Turner, Alma Walker (Spokane Bird Club).

488. Bend, Oreg. (northern quadrant of 7½-mile radius centering on Awbrey Butte, including Deschutes River from Bend to Tumalo, Shevlin Park, Tumalo Reservoir, Deschutes; Deschutes River 40%, cultivated fields 25%, Ponderosa Pine forest 20%, juniper woodland 15%).—Dec. 27; 8:30 a.m. to 4:30 p.m. Haze early, becoming overcast; temp. 10° to 35°; wind SW to S, 5-25 m.p.h.; 1-in. fluffy snow in Shevlin Park, fresh water frozen except Deschutes River and Tumalo Creek. Two observers in 1 party. Total party-hours, 8 (2 on foot, 6 by car); total party-miles, 63 (5 on foot, 58 by car). Pied billed Grebe, 4; Great Blue Heron, 1; Mute Swan, 6; Canada Goose, 20; Mallard, 196; Am. Widgeon, 63; Redhead, 32; Ring-necked Duck, 14; Canvas-back, 4; Lesser Scaup, 19; Am. Golden-eye, 10; Buffle-head, 14; Hooded Merganser, 6; Red-tailed Hawk, 1; Golden Eagle, 1; Am. Coot, 143; Belted Kingfisher, 1; Red-shafted Flicker, 3; Am. Magpie, 8; Mountain Chickadee, 22; Pygmy Nuthatch, 15; Brown Creeper, 3; Am. Robin, 66; Western Bluebird, 31; Townsend's Solitaire, 26; Cedar Waxwing, 20; Gray Shrike, 2; House Sparrow, 50; Cassin's Finch, 8; Spotted Towhee, 1; Slate-colored Junco, 2; Oregon Junco, 84; Song Sparrow, 2. **Total,** 33 species; about 878 individuals. (In area Dec. 22: Bald Eagle; Dec. 28: Yellow-bellied Sapsucker, Chipping Sparrow.)—R. D. Jewell, A. I. Roest (compiler).

489. Eugene, Oreg. (15-mile diameter including Fern Ridge Reservoir, Springfield, Eugene; meadows 20%, orchards and fields 20%, suburban 10%, evergreen forests 20%, mixed woods 20%, water 10%).—Jan. 2; 8 a.m. to 5 p.m. Partly cloudy; temp. 31° to 48°; wind SW, 2-20 m.p.h.; water open. Thirty-five observers in 15 parties. Total party-hours, 86

(52 on foot, 34 by car); total party-miles, 186 (34 on foot, 152 by car). Common Loon, 1; Western Grebe, 49; Pied-billed Grebe, 3; Great Blue Heron, 4; Green Heron, 2; Canada Goose, 2085; White-fronted Goose, 50; Snow Goose, 4; Mallard, 1194; Am. Widgeon, 700; Pintail, 969; Green-winged Teal, 315; **Cinnamon Teal,** 4 (H.V.J.); Shoveller, 5; Redhead, 4; Ring-necked Duck, 8; Canvas-back, 25; Lesser Scaup, 85; Ruddy Duck, 32; Cooper's Hawk, 4; Red-tailed Hawk, 7; Marsh Hawk, 8; Sparrow Hawk, 31; Bob-white, 6; California Quail, 3; Mountain Quail, 13; Ring-necked Pheasant, 84; Am. Coot, 86; **Ringed Plover,** 2 (J.R., B.P.); Killdeer, 536; Wilson's Snipe, 21; Greater Yellow-legs, 1; Least Sandpiper, 25; Red-backed Sandpiper, 89; California Gull, 5; Ring-billed Gull, 7; Band-tailed Pigeon, 13; Mourning Dove, 21; Screech Owl, 1; Horned Owl, 2; Belted Kingfisher, 15; Yellow-shafted Flicker, 1; Red-shafted Flicker, 287; Acorn Woodpecker, 50; Lewis's Woodpecker, 9; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 5; Downy Woodpecker, 9; Horned Lark, 8; Steller's Jay, 48; Scrub Jay, 115; Common Raven, 6; Am. Crow, 988; Black-capped Chickadee, 128; Chestnut-backed Chickadee, 6; Common Bushtit, 80; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 5; Winter Wren, 13; Bewick's Wren, 12; Long-billed Marsh Wren, 1; Am. Robin, 2847; Varied Thrush, 1010; Hermit Thrush, 9; Western Bluebird, 38; Golden-crowned Kinglet, 84; Ruby-crowned Kinglet, 42; Water Pipit, 13; Cedar Waxwing, 10; Gray Shrike, 3; **Common Starling,** 11,347 (first large influx locally); Myrtle Warbler, 15; Audubon's Warbler, 66; Townsend's Warbler, 2; House Sparrow, 409; Western Meadowlark, 140; Red-winged Blackbird, 561; Brewer's Blackbird, 4937; Brown-headed Cowbird, 5; Evening Grosbeak, 11; Purple Finch, 66; House Finch, 24; Pine Siskin, 305; Am. Goldfinch, 20; Lesser Goldfinch, 1; Spotted Towhee, 103; Savannah Sparrow, 3; Oregon Junco, 1301; White-crowned Sparrow, 31; Golden-crowned Sparrow, 214; Fox Sparrow, 25; Lincoln's Sparrow, 5; Song Sparrow, 195. **Total,** 93 species; about 32,151 individuals. (Seen in area Dec. 30: Whistling Swan, Bald Eagle, Bonaparte's Gull.)—Freda Baker, Ruth Beacon, Mrs. Lawrence Burgh, Paul and Lenna Campbell, Mr. and Mrs. H. Harrison Clarke, Mrs. Croson, L. L. Daggett, Catherine Dunlop, Irene, Richard and Ronnie Flynn, Florence Fulton, Ivan E. Halladey, Ruth E. Hopson, H. V. Johnson, Helen Kilpatrick, Stan Kambly, Karl F. Krugur, Isabelle and Mary Mallett, Frances Newsom, Ben H. Pruitt, Gladys and Hal Pruitt, Harvey Quimby, John Reynolds, Frank P. Sipe, Maye Sparmblek, E. Thatcher, Sybil Mary Watt, Ben Wicks, A. Ray Wiseman, Mrs. Russell Yockey (Eugene Natural History Society).

490. Medford, Oreg. (Roxy Anne Butte, east section of Medford, valley as far as Rogue River near Military Bridge; brushy woodland 25%, coniferous woodland 5%, residential 20%, farmland 30%, stream borders 20%).—Dec. 27; 7 a.m. to 4:30 p.m. Fair with patches of fog; temp. 16° to 36°; wind calm; ground mostly bare. Three observers mostly together. Total party-hours, 10½ (1½ on foot, 9 by car); total party-miles, 58 (2 on foot, 56 by car). Mallard, 1; Pintail, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 1; California Quail, 120; Mountain Quail, 10; Ring-necked Pheasant, 4; Am. Coot, 11; Killdeer, 6; Wilson's Snipe, 2; Mourning Dove, 20; Belted Kingfisher, 3; Red-shafted Flicker, 23; Acorn Woodpecker, 15; Downy Woodpecker, 4; Steller's Jay, 2; Scrub Jay, 8; Mountain Chickadee, 1; Plain Titmouse, 16; Common Bushtit, 12; White-breasted Nuthatch, 7; Bewick's Wren, 3; Am. Robin, 21,000 (roost); Varied Thrush, 3; Hermit Thrush, 3; Western Bluebird, 91; Townsend's Solitaire, 2; Ruby-crowned Kinglet, 5; Cedar Waxwing, 106; Audubon's Warbler, 17; House Sparrow, 18; Western Meadowlark, 18; Brewer's Blackbird, 37; House Finch, 1; Am. Goldfinch, 6; Lesser Goldfinch, 26; Spotted Towhee, 17; Brown Towhee, 5; Oregon Junco, 130; White-crowned Sparrow, 13; Golden-crowned Sparrow, 52; Fox Sparrow, 8; Song Sparrow, 8. **Total,** 44 species; about 21,838 individuals. (Dec. 26: Golden-crowned Kinglet; Dec. 29: Cassin's Finch.)—Mrs. Howard Bush, Mr. and Mrs. Thomas McCamant.

491. Portland, Oreg. (same as 1938 and subsequent counts; bushy woodlands 25%, lakes, rivers, sloughs 20%, farmlands 30%, residential 25%).—Jan. 2: 8 a.m. to 4 p.m. Partly cloudy, 1 hail shower; temp. 32° to 44°; wind variable, 5 m.p.h.; water open, ground clear. Fifty-six observers in 16 parties. Total party-hours, 108 (71 on foot, 34 by car, 3 by bicycle); total party-miles, 237 (66 on foot, 159 by car, 12 by bicycle). Common Loon, 1; Eared Grebe, 6; Western Grebe, 7; Pied-billed Grebe, 8; Double-crested Cormorant, 67; Great Blue Heron, 11; Green Heron, 3; Canada Goose, 97 (Cackling, 2); Mallard, 1312; Gadwall, 35; European Widgeon, 1; Am. Widgeon, 5409; Pintail, 381; Green-winged Teal, 46; Shoveller, 183; Wood Duck, 3; Ring-necked Duck, 33; Canvas-back, 6; Lesser Scaup, 240; Buffle-head, 54; Ruddy Duck, 16; Am. Merganser, 57; duck (sp.), 145; Sharp-shinned Hawk, 4; Cooper's Hawk, 5; Red-tailed Hawk, 7; Sparrow Hawk, 15; California Quail, 7; Mountain Quail, 5; Ring-necked Pheasant, 116; Am. Coot, 841; Killdeer, 326; Wilson's Snipe, 41; Glaucous-winged Gull, 830; Herring Gull, 25; California Gull, 209; Ring-billed Gull, 183; Short-billed Gull, 1020; gull (sp.), 7531; Band-tailed Pigeon, 20; Mourning Dove, 6; Screech Owl, 1; Short-eared Owl, 4; Belted Kingfisher, 6; Red-shafted Flicker, 262; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 69; Steller's Jay, 63; Scrub Jay, 4; Am. Crow, 816; **Clark's Nutcracker,** 2 (C.J.); Black-capped Chickadee, 486; Chestnut-backed Chickadee, 108; Common Bushtit, 661; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 33; Brown Creeper, 10; Winter Wren, 23; Bewick's Wren, 43; Am. Robin, 22,373; Varied Thrush, 165; Hermit Thrush, 4; Townsend's Solitaire, 1; Golden-crowned Kinglet, 180; Ruby-crowned Kinglet, 70; Water Pipit, 55; Cedar Waxwing, 52; Common Starling, 343; Hutton's Vireo, 2; Myrtle Warbler, 1; Audubon's Warbler, 63; House Sparrow, 1466; Western Meadowlark, 32; Red-winged Black-

bird, 191; Brewer's Blackbird, 1630; Evening Grosbeak, 26; Purple Finch, 225; House Finch, 827; Pine Siskin 2057; Am. Goldfinch, 197; Lesser Goldfinch, 12; Spotted Towhee, 165; Slate-colored Junco, 2; Oregon Junco, 2561; White-crowned Sparrow, 11; Golden-crowned Sparrow, 189; Fox Sparrow, 53; Lincoln's Sparrow, 1; Song Sparrow, 1238. **Total,** 91 species; about 56,116 individuals.—Tom McAllister, Norbert Leupold, Alfred Weatherwax, Fred A. Robinson, Mrs. Robert T. Platt, Virlis Fischer, Alfred Schmitz, Herbert C. Judd, Mrs. Hazel R. Judd, Lovie Oberson, George Alderson, Bruce Starbuck, Alva Oakes, Mrs. F. C. Blakeslee, Kenneth Lee, Harold Oakes, Mrs. W. B. Holden, Harry Ehlen, Leo F. Simon, Henry Steinbrugge, Ed Kelham, Ray Albright, Lawrence Schramm, Earl A. Marshall (compiler), Mrs. Earl A. Marshall, Mrs. Lucile Higgins, Mrs. L. J. Merrill, Lyle B. Dunsmore, Mrs. Lyle B. Dunsmore, Jess Frantz, Mrs. Jess Frantz, Mrs. Fred McNulcy, Norman F. Coleman, Mrs. Susie Nicholson, Mrs. Myrtle E. Gillis, Mrs. Neva J. Reynolds, J. W. C. Williams, Mrs. J. W. C. Williams, Carl Jacobsen, William H. Crowell, H. H. Crowell, T. T. Munger, Ann Fordyce, P. E. Lewis, Robert Harris, Mrs. Robert Harris, Roy Miller, Mrs. C. W. Hager, Mrs. George Starr, Kenneth Leatherman, Mrs. Theodore Millette, Mrs. Neil Haig, Mrs. Althea Bailey, Mrs. David H. Leche, Urban G. Kubat, Lawrence Christen.

492. Warm Springs, Oreg. (7½-mile radius centering at Warm Springs Indian Agency, including land adjacent to Shitike Creek, Tenino Canyon, Dry Creek, Deschutes River, adjoining Agency Plains; dry juniper country 35%, pasture 30%, deciduous growth in creek bottoms 20%, town suburbs 5%, Ponderosa Pine forest 5%, open river 3%, cattail marsh 2%).—Dec. 26; 7:30 a.m. to 4:30 p.m. Clear to scattered clouds; temp. 18° to 50°; wind WNW, 0-15 m.p.h.; 1½-in. snow in west end of territory, creeks partly frozen. One observer. Total hours, 9 (7 on foot, 2 by car); total miles 71 (6 on foot, 65 by car). Mallard, 14; Am. Widgeon, 4; Cooper's Hawk, 2; Red-tailed Hawk, 3; Marsh Hawk, 8; Sparrow Hawk, 3; European Partridge, 2; California Quail, 105; Ring-necked Pheasant, 32; Belted Kingfisher, 2; Red-shafted Flicker, 9; Hairy Woodpecker, 2; Downy Woodpecker, 2; White-headed Woodpecker, 1; Steller's Jay, 2; Am. Magpie, 53; Am. Crow, 1; Mountain Chickadee, 22; Pygmy Nuthatch, 41; Winter Wren, 1; Long-billed Marsh Wren, 1; Cañon Wren, 1; Am. Robin, 41; Mountain Bluebird, 1; Townsend's Solitaire, 43; Ruby-crowned Kinglet, 4; Gray Shrike, 1; Common Starling, 38 (? new to area); Western Meadowlark, 8; Brewer's Blackbird, 12; House Finch, 120; Am. Goldfinch, 2; Oregon Junco, 224; White-crowned Sparrow, 81; Golden-crowned Sparrow, 26; Song Sparrow, 4. **Total,** 36 species; about 916 individuals.—K. H. Burden.

493. Big Bear Lake, Calif. (same as previous 13 years).—Jan. 2; 12 a.m. to 12 p.m. Snow flurries, 4 inches on ground; temp. 20° to 32°; wind [direction?—Ed.], 0-5 m.p.h.; lakes with open places. Seven observers in 2 parties. Total party-hours, 32 (16 on foot, 16 by car); total party-miles, 35 (5 on foot, 30 by car). Great Blue Heron, 4; Am. Widgeon, 3; Shoveller, 50; Lesser Scaup, 1; Red-tailed Hawk, 5; Bald Eagle, 4; Sparrow Hawk, 1; Am. Coot, 3000; Red-shafted Flicker, 12; Lewis's Woodpecker, 1; Hairy Woodpecker, 2; White-headed Woodpecker, 2; Steller's Jay, 3; Scrub Jay, 3; Common Raven, 1; Clark's Nutcracker, 8; Mountain Chickadee, 50; Common Bushtit, 15; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 2; Pygmy Nuthatch, 25; Brown Creeper, 1; Am. Robin, 3; Western Bluebird, 12; Townsend's Solitaire, 7; Ruby-crowned Kinglet, 2; Audubon's Warbler, 6; Evening Grosbeak, 1; Purple Finch, 3; Cassin's Finch, 25; Pine Siskin, 15; Lesser Goldfinch, 2; Oregon Junco, 100. **Total,** 33 species; about 3379 individuals.—Mr. and Mrs. Leo Best, J. H. Comby (compiler), Mrs. J. H. Comby, Louisa Luckan, Mr. and Mrs. Glen McCune.

494. Escondido, Calif. (same as previous year; fresh-water lakes 50%, wooded area 20%, chaparral 20%, open fields 10%).—Dec. 31; 7:30 a.m. to 5 p.m. Variable high cloudiness; temp. 40° to 65°; wind [direction?—Ed.], 10-16 m.p.h. Three observers in 2 parties. Total party-hours, 11 (4½ on foot, 6½ by car); total party-miles, 84 (5 on foot, 79 by car). Eared Grebe, 2; Western Grebe, 6; Pied-billed Grebe, 7; Double-crested Cormorant, 64; Great Blue Heron, 7; Am. Egret, 2; Mallard, 8; Am. Widgeon, 15; Pintail, 50; Green-winged Teal, 18; Shoveller, 900; Canvas-back, 6; Lesser Scaup, 63; Buffle-head, 6; Ruddy Duck, 400; Am. Merganser, 32; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 10; Red-shouldered Hawk, 1; Golden Eagle, 4; Sparrow Hawk, 38; California Quail, 16; Am. Coot, 330; Killdeer, 62; Spotted Sandpiper, 5; Greater Yellow-legs, 3; Dowitcher, 1; Am. Avocet, 13; California Gull, 1; Ring-billed Gull, 23; Mourning Dove, 71; Spotted Dove, 1; Road-runner, 2; Barn Owl, 2; Burrowing Owl, 1; Anna's Hummingbird, 2; Red-shafted Flicker, 8; Acorn Woodpecker, 5; Downy Woodpecker, 1; Nuttall's Woodpecker, 1; Cassin's Kingbird, 12; Black Phoebe, 19; Say's Phoebe, 17; Violet-green Swallow, 225; Scrub Jay, 16; Am. Crow, 17; Plain Titmouse, 3; Common Bushtit, 29; Wren-tit, 21; House Wren, 2; Mockingbird, 8; California Thrasher, 10; Am. Robin, 159; Hermit Thrush, 3; Western Bluebird, 102; Black-tailed Gnatcatcher, 2; Water Pipit, 13; Cedar Waxwing, 385; Loggerhead Shrike, 23; Audubon's Warbler, 94; Common Yellowthroat, 1; Western Meadowlark, 33; Red-winged Blackbird, 73; Brewer's Blackbird, 480; Purple Finch, 2; House Finch, 966; Am. Goldfinch, 5; Lesser Goldfinch, 114; Lawrence's Goldfinch, 100; Spotted Towhee, 16; Brown Towhee, 56; Savannah Sparrow, 1; Lark Sparrow, 12; Rufous-crowned Sparrow, 1; Oregon Junco, 75; Chipping Sparrow, 12; White-crowned Sparrow, 366; Golden-crowned Sparrow, 6; Fox Sparrow, 2; Song Sparrow, 12. **Total,** 81 species; about 5684 individuals.—Mrs. Sidney S. Doner (compiler), Fred N. Gallup, Frank Gander.

495. Fresno, Calif. (same area since 1943; open plains 20%, riverbottom, thickets along both shores, narrow pond 80%).—Dec. 28; 7:15 a.m. to 5:15 p.m. Partial high overcast; temp. 28° to 48°; no wind. Two observers in 1 party. Total party-hours, 10 (8 on foot, 2 by car); total party-miles, 15 (6 on foot, 9 by car). Pied-billed Grebe, 3; Great Blue Heron, 1; Canada Goose, 66; Mallard, 100; Green-winged Teal, 1; Wood Duck, 1; Hooded Merganser, 4; Cooper's Hawk, 1; Red-tailed Hawk, 8; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 25; California Quail, 34; Ring-necked Pheasant, 1; Am. Coot, 27; Killdeer, 11; Spotted Sandpiper, 1; Greater Yellow-legs, 8; Least Sandpiper, 42; Horned Owl, 1; Burrowing Owl, 1; White-throated Swift, 8; Belted Kingfisher, 2; Red-shafted Flicker, 35; Acorn Woodpecker, 15; Downy Woodpecker, 3; Nuttall's Woodpecker, 6; Black Phoebe, 10; Say's Phoebe, 5; Horned Lark, 1000+; Scrub Jay, 50; Plain Titmouse, 7; Common Bushtit, 60; Brown Creeper, 2; House Wren, 6; Bewick's Wren, 4; Long-billed Marsh Wren, 1; Rock Wren, 2; Mockingbird, 15; California Thrasher, 2; Varied Thrush, 4; Hermit Thrush, 3; Western Bluebird, 18; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 15; Water Pipit, 36; Phainopepla, 7; Loggerhead Shrike, 6; Common Starling, 150; Orange-crowned Warbler, 2; Audubon's Warbler, 75; House Sparrow, 31; Western Meadowlark, 110; Brewer's Blackbird, 250; Brown-headed Cowbird, 2; House Finch, 12; Am. Goldfinch, 750+; Lesser Goldfinch, 2; Spotted Towhee, 25; Brown Towhee, 5; Savannah Sparrow, 34; Vesper Sparrow, 2; Lark Sparrow, 115; Oregon Junco, 82; White-crowned Sparrow, 200+; Golden-crowned Sparrow, 75; Fox Sparrow, 11; Lincoln's Sparrow, 1; Song Sparrow, 6. **Total,** 69 species; about 3602 individuals. —W. J. Fitzpatrick, W. B. Minturn (compiler).

496. Gray Lodge Wildlife Management Area, Calif. (7½-mile radius centering 1 mile north of West Butte, including wildlife management area, Sutter to West Butte, Sacramento River, Woods Lake, Butte Sink Lakes, Butte Slough, adjacent country; marsh, flooded lands, wet flats 36%, orchards, agricultural 26%, upland grasslands, oak savannahs 15%, gardens 5%, ponds 10%, rocky ledges 3%, riparian woodlands 5%).—Dec. 28; 7:30 a.m. to 4:30 p.m. Heavy overcast; temp. 35° to 46°; wind W to WNW, 16-18 m.p.h.; frost early, water open. Five observers in 2 parties. Total party-hours, 35 (19 on foot, 12 by car, 4 by airplane); total party-miles, 125 (10 on foot, 40 by car, 75 by airplane). Pied-billed Grebe, 21; White Pelican, 5; Double-crested Cormorant, 3; Great Blue Heron, 8; Am. Egret, 2; Black-crowned Night Heron, 7; Whistling Swan, 1003; Canada Goose, 5460; White-fronted Goose, 8500; Snow Goose, 135,000; Ross Goose, 2500; Mallard, 61,750; Gadwall, 4; Am. Widgeon, 41,000; Pintail, 432,500; Green-winged Teal, 10,250; Cinnamon Teal, 7; Shoveller, 8000; Canvas-back, 1; Buffle-head, 2; Ruddy Duck, 254; Turkey Vulture, 82; Red-tailed Hawk, 18; Ferruginous Hawk, 1; Golden Eagle, 1; Marsh Hawk, 10; Prairie Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 17; California Quail, 31; Ring-necked Pheasant, 62; Sandhill Crane, 426; Florida Gallinule, 8; Am. Coot, 10,000; Killdeer, 32; Wilson's Snipe, 1; Long-billed Curlew, 12; Greater Yellow-legs, 2; Least Sandpiper, 6; Red-backed Sandpiper, 3; Dowitcher, 15; Western Sandpiper, 12; Ring-billed Gull, 19; Mourning Dove, 51; Red-shafted Flicker, 62; Acorn Woodpecker, 8; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 3; Black Phoebe, 2; Say's Phoebe, 2; Tree Swallow, 10; Scrub Jay, 3; Yellow-billed Magpie, 71; Common Raven, 2; Am. Crow, 58; Plain Titmouse, 5; White-breasted Nuthatch, 1; Winter Wren, 1; Long-billed Marsh Wren, 4; Rock Wren, 1; Mockingbird, 3; Am. Robin, 51; Varied Thrush, 1; Hermit Thrush, 1; Western Bluebird, 16; Mountain Bluebird, 3; Ruby-crowned Kinglet, 4; Water Pipit, 118; Loggerhead Shrike, 22; Common Starling, 131; Orange-crowned Warbler, 3; Audubon's Warbler, 9; Common Yellowthroat, 3; House Sparrow, 116; Western Meadowlark, 772; Yellow-headed Blackbird, 1; Red-winged Blackbird, 80,000; Tricolored Blackbird, 15; Brewer's Blackbird, 1362; Brown-headed Cowbird, 11; House Finch, 1200; Am. Goldfinch, 5; Lesser Goldfinch, 171; Spotted Towhee, 8; Brown Towhee, 3; Savannah Sparrow, 31; Lark Sparrow, 103; Oregon Junco, 242; White-crowned Sparrow, 162; Golden-crowned Sparrow, 9; Fox Sparrow, 1; Song Sparrow, 3. **Total,** 92 species (4 additional subspecies [?—Ed.]); about 801,902 individuals. (Indebted to U. S. Fish and Wildlife Service for putting a trained pilot biologist at our disposal. This enabled us to make an extremely accurate count of waterfowl from the air.)—Raymond M. Glahn, David B. Marshall, Mimi Small, Arnold Small, Sandy Sprunt.

497. Hemet-Idyllwild, Calif. (7½-mile radius centering in Valle Vista, including Friendly Hills Wildlife Sanctuary, Little Lake, San Jacinto Reservoir, Isomata campus, Lakes Foster and Fulmor, Strawberry Creek, Bear Trap Canyon, Alvin Meadows; meadows 30%, reservoir and ponds 25%, chaparral 15%, coniferous forest 30%).—Dec. 26; 6:45 a.m. to 6 p.m. Clear; temp. 35° to 48°; wind SW, light; ground bare, open water. Eight observers in 4 parties. Total party-hours, 26 (19 on foot, 7 by car); total party-miles, 90 (24 on foot, 66 by car). Eared Grebe, 9; Western Grebe, 1; Pied-billed Grebe, 3; Green Heron, 1; Canada Goose, 175; Snow Goose, 5; Mallard, 400; Am. Widgeon, 1000; Pintail, 162; Green-winged Teal, 4; Shoveller, 1; Redhead, 5; Ring-necked Duck, 12; Canvas-back, 20; Lesser Scaup, 1; Ruddy Duck, 46; Cooper's Hawk, 2; Red-tailed Hawk, 10; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 11; California Quail, 120; Am. Coot, 159; Killdeer, 4; Band-tailed Pigeon, 200; Mourning Dove, 18; Spotted Dove, 5; Horned Owl, 1; Anna's Hummingbird, 3; Belted Kingfisher, 1; Red-shafted Flicker, 35; Acorn Woodpecker, 7; Williamson's Sapsucker, 3; Hairy Woodpecker, 6; Downy Woodpecker, 2; Nuttall's Woodpecker, 3; White-headed Woodpecker, 1; Ash-throated Flycatcher, 3; Black Phoebe, 4; Say's Phoebe, 1; Steller's

Jay, 38; Scrub Jay, 33; Common Raven, 7; Am. Crow, 20; Mountain Chickadee, 110; Plain Titmouse, 26; Common Bushtit, 32; White-breasted Nuthatch, 24; Pygmy Nuthatch, 57; Wren-tit, 3; Am. Dipper, 1; House Wren, 1; Winter Wren, 1; Bewick's Wren, 1; Mockingbird, 10; California Thrasher, 3; Am. Robin, 400; Hermit Thrush, 1; Western Bluebird, 48; Blue-gray Gnatcatcher, 3; Ruby-crowned Kinglet, 60; Water Pipit, 400; Cedar Waxwing, 29; Loggerhead Shrike, 4; Audubon's Warbler, 175; House Sparrow, 12; Western Meadowlark, 9; Brewer's Blackbird, 1000; Purple Finch, 12; House Finch, 300; Am. Goldfinch, 45; Lesser Goldfinch, 15; Lawrence's Goldfinch, 3; Spotted Towhee, 4; Brown Towhee, 400; Savannah Sparrow, 26; Vesper Sparrow, 3; Sage Sparrow, 4; Oregon Junco, 140; Chipping Sparrow, 30; White-crowned Sparrow, 150; Golden-crowned Sparrow, 2; Lincoln's Sparrow, 17; Song Sparrow, 12; **Total,** 84 species; about 6118 individuals.—K. Chapman, E. Comby, J. H. Comby, H. James, E. Maxwell, E. Loomis (compiler), M. Loomis, W. Palmer.

498. Lodi, Calif. (same area as last year).—Jan. 1; 7:30 a.m. to 4:30 p.m. Drizzle a.m., then clear; temp. 42° to 62°; wind NW to W, 15-25 m.p.h.. Seven observers in 2 parties. Total party-hours, 11 (3 on foot, 8 by car); total party-miles, 117 (5 on foot, 112 by car). Pied-billed Grebe, 16; Great Blue Heron, 6; Am. Egret, 16; Snowy Egret, 2; Whistling Swan, 201; Canada Goose, 1209; White-fronted Goose, 509; Snow Goose, 305; Mallard, 33; Gadwall, 21; Am. Widgeon, 1010; Pintail, 10,000; Cinnamon Teal, 28; Shoveller, 138; Ruddy Duck, 37; Turkey Vulture, 8; **White-tailed Kite,** 13; Sharp-shinned Hawk, 1; Red-tailed Hawk, 6; Marsh Hawk, 29; Sparrow Hawk, 87; California Quail, 21; Ring-necked Pheasant, 68; Sandhill Crane, 4021; Sora, 1; Florida Gallinule, 1; Am. Coot, 15,000; Killdeer, 224; Black-bellied Plover, 45; Wilson's Snipe, 1; Long-billed Curlew, 7; Greater Yellow-legs, 1; Least Sandpiper, 505; Dowitcher, 1021; Western Sandpiper, 36; Herring Gull, 157; Ring-billed Gull, 256; gull (sp.), 500; Mourning Dove, 1; Belted Kingfisher, 1; Red-shafted Flicker, 104; Acorn Woodpecker, 11; Yellow-bellied Sapsucker, 1; Black Phoebe, 5; Horned Lark, 20; Tree Swallow, 1; Scrub Jay, 7; Yellow-billed Magpie, 34; Am. Crow, 79; Common Bushtit, 12; Long-billed Marsh Wren, 4; Mockingbird, 12; Am. Robin, 185; Western Bluebird, 1; Ruby-crowned Kinglet, 2; Water Pipit, 62; Cedar Waxwing, 19; Loggerhead Shrike, 19; Common Starling, 100; Hutton's Vireo, 1; Audubon's Warbler, 351; House Sparrow, 74; Western Meadowlark, 345; Red-winged Blackbird, 49; Brewer's Blackbird, 1050; House Finch, 530; Am. Goldfinch, 2; Lesser Goldfinch, 303; Spotted Towhee, 2; Brown Towhee, 1; Savannah Sparrow, 105; Oregon Junco, 115; White-crowned Sparrow, 2050; Golden-crowned Sparrow, 7; Song Sparrow, 26; sparrow (sp.), 550. **Total,** 74 species (2 additional subspecies [?—Ed.]); about 41,781 individuals.—J. R. Arnold, Dan Beach, Frank Bermudez, Don Patton, Jim Rivera, John Thomson, Herb Wong (compiler).

499. Los Angeles, Calif. (same area since 1937).—Dec. 26; 6 a.m. to 6:30 p.m. Clear; temp. 42° to 60°; wind NNE to NNW, 3-15 m.p.h. Eighty-one observers in 28 parties. Total party-hours, 451 (352 on foot, 99 by car); total party-miles, 1097 (281 on foot, 816 by car). Common Loon, 3; Arctic Loon, 4; Red-throated Loon, 3; Horned Grebe, 1; Eared Grebe, 24; Western Grebe, 751; Pied-billed Grebe, 17; Brown Pelican, 130; Double-crested Cormorant, 22; Brandt's Cormorant, 1; Pelagic Cormorant, 7; Great Blue Heron, 4; Am. Egret, 5; Snowy Egret, 24; Green Heron, 3; Black-crowned Night Heron, 6; Canada Goose, 5; Mallard, 221; Am. Widgeon, 41; Pintail, 1015; Green-winged Teal, 427; Shoveller, 438; Wood Duck, 2; Redhead, 1; Canvas-back, 3; Lesser Scaup, 352; Am. Golden-eye, 1; White-winged Scoter, 1; Surf Scoter, 469; Ruddy Duck, 61; Red-breasted Merganser, 153; Turkey Vulture, 9; Sharp-shinned Hawk, 6; Cooper's Hawk, 6; Red-tailed Hawk, 41; Red-shouldered Hawk, 1; Ferruginous Hawk, 2; Marsh Hawk, 24; Sparrow Hawk, 101; California Quail, 140; Ring-necked Pheasant, 1; Am. Coot, 1797; Snowy Plover, 30; Ringed Plover, 84; Killdeer, 387; Black-bellied Plover, 264; Surf-bird, 32; Ruddy Turnstone, 2; Black Turnstone, 39; Wilson's Snipe, 6; Long-billed Curlew, 1; Hudsonian Curlew, 18; Spotted Sandpiper, 13; Willet, 1299; Greater Yellow-legs, 18; Least Sandpiper, 127; Red-backed Sandpiper, 127; Dowitcher, 117; Western Sandpiper, 280; Marbled Godwit, 655; Sanderling, 277; Am. Avocet, 90; Black-necked Stilt, 1; Northern Phalarope, 1; Glaucous-winged Gull, 98; Western Gull, 199; Herring Gull, 14; California Gull, 982; Ring-billed Gull, 1773; Short-billed Gull, 6; Bonaparte's Gull, 33; Heermann's Gull, 584; Forster's Tern, 5; Band-tailed Pigeon, 5; Mourning Dove, 705; Spotted Dove, 152; Ringed Turtle Dove, 4; Road-runner, 4; Screech Owl, 2; Horned Owl, 6; Short-eared Owl, 2; Poor-will, 1; White-throated Swift, 301; **Black-chinned Hummingbird,** 9; Anna's Hummingbird, 206; Belted Kingfisher, 14; Red-shafted Flicker, 186; Acorn Woodpecker, 6; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 8; Nuttall's Woodpecker, 18; Black Phoebe, 129; Say's Phoebe, 23; Horned Lark, 1; Scrub Jay, 273; Common Raven, 2; Am. Crow, 24; Mountain Chickadee, 8; Plain Titmouse, 76; **Verdin,** 1; Common Bushtit, 277; **Red-breasted Nuthatch,** 1; Wren-tit, 236; House Wren, 6; Bewick's Wren, 49; Cactus Wren, 2; Long-billed Marsh Wren, 1; Mockingbird, 325; California Thrasher, 71; Am. Robin, 1180; Varied Thrush, 1; Hermit Thrush, 26; Western Bluebird, 9; Blue-gray Gnatcatcher, 26; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 47; Water Pipit, 238; Cedar Waxwing, 907; Loggerhead Shrike, 74; Hutton's Vireo, 7; **Solitary Vireo,** 1; **Black-throated Gray Warbler,** 1; Orange-crowned Warbler, 5; Audubon's Warbler, 1540; Common Yellowthroat, 1; House Sparrow, 1004; Western Meadowlark, 327; Red-winged Blackbird, 90; **Hooded Oriole,** 1; Brewer's Blackbird, 1848; Brown-headed Cowbird, 6; Purple Finch, 130; Cassin's Finch, 15; House Finch, 4031; Pine Siskin, 10; Am. Goldfinch, 105; Lesser

Goldfinch, 175; Lawrence's Goldfinch, 15; Spotted Towhee, 65; Brown Towhee, 613; Savannah Sparrow, 165; Grasshopper Sparrow, 7; Lark Sparrow, 35; Rufous-crowned Sparrow, 13; **Black-throated Sparrow,** 2; Oregon Junco, 288; **Gray-headed Junco,** 1; Chipping Sparrow, 13; White-crowned Sparrow, 864; Golden-crowned Sparrow, 127; Fox Sparrow, 30; Lincoln's Sparrow, 1; Song Sparrow, 178. **Total,** 154 species (7 additional subspecies [?—Ed.]); about 31,186 individuals.—C. Beasley, T. Brewin, L. Eli, G. Hastings (assistant compiler), Mrs. G. Hastings, N. Knupp, Mrs. N. Knupp, E. Maule, H. Reed, N. Spence, C. Splitter, N. Splitter, M. Warrick, R. Julian, A. Stultz, R. Holmes, D. Bullion, P. Arguien, L. Fischer, W. Hunt, D. Groner, C. Daugherty, M. Wait, B. Hoffman, R. Curry, N. Dunn, H. Isham, W. Lofthouse, C. Shaw, J. Frederick, H. Clarke, R. Taylor, M. Taylor, P. Gould, W. Hawkins, J. Tramontano, P. Herman, D. Griffin, J. Clements (compiler), M. Clements (assistant compiler), B. Pope, M. DeMay, G. DeMay, A. DeMay, W. DeMay, T. DeMay, L. Fahringer, D. Lightner, T. Gee, M. Gee, M. Salmon, A. Snow, A. Watkins, M. Dunlap, H. Benson, E. Michael, R. Blackstone, A. Small, M. Small, H. Dament, N. McFarland, P. Colburn, I. Colburn, R. Froike, D. McFarland, C. Pflager, G. Phillips, P. Lindau, G. Robeson, W. Willis, W. Lewis, T. Goodman, M. Goodman, E. Peterson, J. Morain, A. Morain, E. Craig, A. Krieger, V. Yrineo, E. Chumley, F. Hutchins.

500. Monterey Peninsula, Calif. (same area since 1949).—Dec. 27; 6:45 a.m. to 7:15 p.m. Clear; temp. 31° to 56°; wind NE, up to 15 m.p.h.; ground bare, local frosts a.m. Eight observers in 5 parties. Total party-hours, 36½ (27 on foot, 9½ by car); total party-miles, 57 (17 on foot, 40 by car). Common Loon, 2; Arctic Loon, 36; Red-throated Loon, 2; Red-necked Grebe, 2; Horned Grebe, 29; Eared Grebe, 20; Western Grebe, 100; Pied-billed Grebe, 11; **Sooty Shearwater,** 1; **White Pelican,** 17; Brown Pelican, 14; Double-crested Cormorant, 1; Brandt's Cormorant, 79; Pelagic Cormorant, 47; Great Blue Heron, 2; Black-crowned Night Heron, 6; Canada Goose, 1; Mallard, 8; Am. Widgeon, 66; Pintail, 12; Green-winged Teal, 15; Shoveller, 97; Canvas-back, 90; Lesser Scaup, 4; Am. Golden-eye, 17; Buffle-head, 14; **Harlequin Duck,** 1 (L.W.); White-winged Scoter, 12; Surf Scoter, 83; Ruddy Duck, 94; Red-breasted Merganser, 17; **Turkey Vulture,** 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 3; Marsh Hawk, 2; Peregrine Falcon, 1; Sparrow Hawk, 7; California Quail, 21; Virginia Rail, 3; Am. Coot, 382; Black Oyster-catcher, 9; Snowy Plover, 18; Killdeer, 82; Black Turnstone, 21; Wilson's Snipe, 7; Hudsonian Curlew, 1; Spotted Sandpiper, 4; Willet, 103; Least Sandpiper, 11; Marbled Godwit, 2; Sanderling, 200; Glaucous-winged Gull, 318; Western Gull, 177; Herring Gull, 35; California Gull, 197; Ring-billed Gull, 3; Short-billed Gull, 236; Bonaparte's Gull, 1; Heermann's Gull, 5; Common Murre, 113; Ancient Murrelet, 3; Rhinoceros Auklet, 6; Band-tailed Pigeon, 5; Mourning Dove, 1; Barn Owl, 1; Horned Owl, 1; Pygmy Owl, 3; **White-throated Swift,** 55 (D.M.); **Allen's Hummingbird,** 1 (carefully identified at feeder—L.H.); **Black-chinned Hummingbird,** 1 (carefully identified at feeder—L.H.); Anna's Hummingbird, 12; Belted Kingfisher, 1; Red-shafted Flicker, 15; Acorn Woodpecker, 4; Hairy Woodpecker, 8; Downy Woodpecker, 1; Nuttall's Woodpecker, 1; Black Phoebe, 12; Say's Phoebe, 8; Horned Lark, 84; Steller's Jay, 13; Scrub Jay, 33; Yellow-billed Magpie, 5; Am. Crow, 91; Chestnut-backed Chickadee, 31; Plain Titmouse, 6; Common Bushtit, 99; Pygmy Nuthatch, 17; Brown Creeper, 3; Wren-tit, 9; Winter Wren, 2; Bewick's Wren, 8; Long-billed Marsh Wren, 1; Am. Robin, 79; Varied Thrush, 2; Hermit Thrush, 30; Western Bluebird, 7; Blue-gray Gnatcatcher, 4; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 31; Water Pipit, 26; Cedar Waxwing, 32; Loggerhead Shrike, 12; Hutton's Vireo, 8; Orange-crowned Warbler, 2; Audubon's Warbler, 288; Townsend's Warbler, 36; **Palm Warbler,** 2 (L.W.); Common Yellowthroat, 3; House Sparrow, 5; Western Meadowlark, 27; Red-winged Blackbird, 248; Tricolored Blackbird, 25; Brewer's Blackbird, 356; Purple Finch, 13; House Finch, 323; Pine Siskin, 53; Am. Goldfinch, 5; Lesser Goldfinch, 6; Spotted Towhee, 4; Brown Towhee, 7; Savannah Sparrow, 8; Oregon Junco, 252; White-crowned Sparrow, 166; Golden-crowned Sparrow, 358; Fox Sparrow, 14; Song Sparrow, 10. **Total,** 129 species; about 5859 individuals. [Excellent details submitted for all unusual observations—Ed.]—Louise M. Hatton, Elmer E. Highley, Dan Miller, Mr. and Mrs. George P. Lamont, Emily Williams, Kate Williams, Laidlaw Williams (compiler).

501. Oakland, Calif. (same area as 1949 and subsequent years).—Jan. 2; 6 a.m. to 6 p.m. Clear; temp. 37° to 53°; wind negligible; heavy frost in eastern part of territory. Sixty-eight observers in 12 parties plus 3 observers watching yards. Total party-hours, 98 (86 on foot, 12 by car); total party-miles, 238 (63 on foot, 175 by car). Red-throated Loon, 6; loon (sp.), 1; **Red-necked Grebe,** 1 (H.L.C.); Horned Grebe, 10; Eared Grebe, 87; Western Grebe, 118; Pied-billed Grebe, 31; Brown Pelican, 3; Double-crested Cormorant, 166; cormorant (sp.), 8; Great Blue Heron, 26; Am. Egret, 28; Snowy Egret, 2; **Green Heron,** 2 (A.J.B.); Black-crowned Night Heron, 28; Canada Goose, 1100 (4 Cackling); **White-fronted Goose,** 8 (C.A.H.); Snow Goose, 100; Mallard, 780; Am. Widgeon, 400; Pintail, 220; Green-winged Teal, 33; Shoveller, 29; Wood Duck, 2; Ring-necked Duck, 52; Canvas-back, 2500; Greater Scaup, 1; Lesser Scaup, 90; scaup (sp.), 670; Am. Golden-eye, 92; Buffle-head, 33; White-winged Scoter, 11; Surf Scoter, 164; scoter (sp.), 10; Ruddy Duck, 2400; Hooded Merganser, 13; Am. Merganser, 60; Red-breasted Merganser, 5; duck (sp.), thousands; Turkey Vulture, 19; Sharp-shinned Hawk, 7; Cooper's Hawk, 4; Red-tailed Hawk, 50; Marsh Hawk, 5; Sparrow Hawk, 64; California Quail, 250; Clapper Rail, 4; Am. Coot, 1550; Snowy Plover, 2; Ringed

Plover, 103; Killdeer, 120; Black-bellied Plover, 600; Black Turnstone, 2; **Wilson's Snipe,** 2 (J.W.K.); Long-billed Curlew, 5; Spotted Sandpiper, 4; Willet, 1175; Greater Yellow-legs, 1; Least Sandpiper, 575; Red-backed Sandpiper, 4350; Dowitcher, 37; Western Sandpiper, 8100; Marbled Godwit, 950; Sanderling, 1550; Am. Avocet, 1650; sandpiper (sp.), 2600; Glaucous-winged Gull, 650; Western Gull, 275; Herring Gull, 560; California Gull, 550; Ring-billed Gull, 400; Short-billed Gull, 635; Bonaparte's Gull, 825; gull (sp.), 1000; Forster's Tern, 110; Band-tailed Pigeon, 3; Mourning Dove, 125; Barn Owl, 2; Horned Owl, 10; Short-eared Owl, 4; Anna's Hummingbird, 88; Belted Kingfisher, 2; **Yellow-shafted Flicker,** 1 (A.L.C., D.L.M.); Red-shafted Flicker, 310; Acorn Woodpecker, 18; Yellow-bellied Sapsucker, 10; Hairy Woodpecker, 3; Downy Woodpecker, 11; Nuttall's Woodpecker, 9; Black Phoebe, 19; Say's Phoebe, 8; Horned Lark, 12; Steller's Jay, 90; Scrub Jay, 280; Am. Crow, 8; Chestnut-backed Chickadee, 91; Plain Titmouse, 71; Common Bushtit, 480; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 13; Wren-tit, 93; Winter Wren, 1; Bewick's Wren, 19; Mockingbird, 12; California Thrasher, 2; Am. Robin, 12,400; Varied Thrush, 175; Hermit Thrush, 185; Western Bluebird, 35; **Blue-gray Gnatcatcher,** 1 (H.G.P.); Golden-crowned Kinglet, 11; Ruby-crowned Kinglet, 85; Water Pipit, 75; Cedar Waxwing, 300; Loggerhead Shrike, 28; Hutton's Vireo, 2; Orange-crowned Warbler, 1; Myrtle Warbler, 3; Audubon's Warbler, 230; House Sparrow, 750; Western Meadowlark, 265; Red-winged Blackbird, 100; Brewer's Blackbird, 500; Brown-headed Cowbird, 62 (H.L.C.); Purple Finch, 31; House Finch, 1700; Pine Siskin, 120; Am. Goldfinch, 11; Lesser Goldfinch, 63; Spotted Towhee, 125; Brown Towhee, 600; Savannah Sparrow, 12; Rufous-crowned Sparrow, 3; **Slate-colored Junco,** 1 (H.C.A.); Oregon Junco, 1300; White-crowned Sparrow, 1200; Golden-crowned Sparrow, 480; **White-throated Sparrow,** 1 (G.E.T.); Fox Sparrow, 110; Song Sparrow, 184. **Total,** 133 species (1 additional subspecies); about 61,034 individuals.—Olive Adams, W. Adams, Betty Adamson, Harry Adamson, Peter Aljian, Bill Baker, Fred Barnes, Philip Baukol, Dan Beach, Richard Beidleman, Arthur Bennett, Frank Bermudez, Albert Boles, Sadie Bozant, Myra Browne, Mrs. F. S. Bruce, Mr. and Mrs. Larry E. Chapman, Howard Cogswell, Harold Connon, Paul Covel, Alan Craig, Hallie Curl, Laurence Curl (compiler), Brian Daly, Elma Dean, Mary Donald, Lynn Foree, Jack Guggolz, C. A. Harwell, Erlene Hevel, Frank Higgins, Margaret Houlihan, Mrs. Charles Jones, Lawrence Jones, Junea Kelly, W. Landels, L. R. Leinbach, Mary Leinbach, Donald MacDonald, Charles Mohr, Arthur Morely, Arthur Myer, Ethel Myer, Margaret Newbacher, Paul Opler, Harold Peterson, M. Peterson, Arlene Pierson, Mr. and Mrs. W. Pursell, Jean Pyle, Amy Rinehart, Elsie Roemer, Frank Scott, Lee Stallcup, Jean Stallcup, Kenneth Stallcup, Richard Stallcup, Sally Steller, Robert Traxler, Mrs. G. E. Troxell, Peter Veitch, Blanche Wallace, Henry Wagner, Thomas Wharton, Herbert Wong, Minnie Young (Golden Gate Audubon Society).

502. Orange County (central and coastal), Calif. (7½-mile radius centering on Huntington Beach, including area from Seal Beach to Corona Del Mar, inland to Santa Ana; ocean 10%, salt marsh 10%, pastures 10%, fields 30%, urban 10% [30%=?—Ed.]).—Dec. 28; 7 a.m. to 5 p.m. Partly cloudy; temp. 30° to 60°; wind NE, 5-20 m.p.h. Twenty-two observers in 6 parties. Total party-hours, 42 (31 on foot, 11 by car); total party-miles, 172 (62 on foot, 110 by car). Common Loon, 5; Arctic Loon, 2; Red-throated Loon, 26; Horned Grebe, 58; Eared Grebe, 62; Western Grebe, 4921; Pied-billed Grebe, 27; White Pelican, 22; Brown Pelican, 177; Double-crested Cormorant, 73; Brandt's Cormorant, 6; Great Blue Heron, 46; Am. Egret, 173; Snowy Egret, 70; Green Heron, 1; Black-crowned Night Heron, 12; Canada Goose, 12; Black Brant, 7; Mallard, 4; Am. Widgeon, 631; Pintail, 12,465; Green-winged Teal, 57; Cinnamon Teal, 2; Shoveller, 1481; Canvas-back, 1; Greater Scaup, 26; Lesser Scaup, 22; White-winged Scoter, 1; Surf Scoter, 7097; Am. Scoter, 4; Ruddy Duck, 331; Am. Merganser, 1; Red-breasted Merganser, 13; ducks (sp.), 2000; Turkey Vulture, 9; White-tailed Kite, 15; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 21; **Rough-legged Hawk,** 6 (11 observers); Ferruginous Hawk, 1; Marsh Hawk, 16; **Prairie Falcon,** 3 (6 observers); Sparrow Hawk, 144; Ring-necked Pheasant, 7; Clapper Rail, 2; Am. Coot, 925; Snowy Plover, 49; Ringed Plover, 4; Mountain Plover, 257; Killdeer, 256; Black-bellied Plover, 187; Wilson's Snipe, 1; Long-billed Curlew, 41; Hudsonian Curlew, 1; Spotted Sandpiper, 5; Willet, 2698; Greater Yellow-legs, 47; Lesser Yellow-legs, 5; **Wandering Tatler,** 2; Least Sandpiper, 1524; Red-backed Sandpiper, 1472; Dowitcher, 586; Western Sandpiper, 1536; Marbled Godwit, 590; Sanderling, 359; Am. Avocet, 169; Glaucous-winged Gull, 21; Western Gull, 3167; Herring Gull, 291; California Gull, 5; Ring-billed Gull, 2125; Bonaparte's Gull, 121; Heermann's Gull, 78; Forster's Tern, 327; **Common Tern,** 10 (V.P., M.H.); Mourning Dove, 71; Spotted Dove, 24; Road-runner, 2; Barn Owl, 1; Burrowing Owl, 10; Short-eared Owl, 11; Anna's Hummingbird, 11; Belted Kingfisher, 8; Red-shafted Flicker, 15; Downy Woodpecker, 1; Black Phoebe, 14; Say's Phoebe, 18; Horned Lark, 115; Tree Swallow, 4; Scrub Jay, 9; Common Raven, 1; Am. Crow, 70; Common Bushtit, 10; Wren-tit, 3; House Wren, 4; Bewick's Wren, 7; Long-billed Marsh Wren, 12; Mockingbird, 47; California Thrasher, 2; Am. Robin, 1; Hermit Thrush, 1; Blue-gray Gnatcatcher, 1; Black-tailed Gnatcatcher, 1; Ruby-crowned Kinglet, 1; Water Pipit, 569; Cedar Waxwing, 35; Loggerhead Shrike, 58; Orange-crowned Warbler, 4; Audubon's Warbler, 49; Common Yellowthroat, 4; House Sparrow, 374; Western Meadowlark, 237; Red-winged Blackbird, 1945; Brewer's Blackbird, 3474; Purple Finch, 1; House Finch, 814; Am. Goldfinch, 13; Lesser Goldfinch, 16; Spotted Towhee, 3; Brown Towhee, 41; Savannah Sparrow, 625 (Belding's, 79); Lark Sparrow, 1; Rufous-crowned Sparrow, 1; White-crowned Sparrow, 447; Golden-crowned Sparrow, 2; Lincoln's Sparrow, 7; Song Sparrow, 100. **Total,** 127 species (1

additional subspecies); about 56,248 individuals.—Frank Brackett, Mr. and Mrs. Norman Fleming, Mary Fuller, Margret Harding, Dick Holmes, Ester Johnson, Mr. and Mrs. John W. Johnson, Arnold Lane, Henri Lirette, Bill Lofthouse, Irving Meyer, Patrick Milburn, John Sibert, Francis Raymond, Anthony Sandoval, Edith Sanford, Georgia Sanford, John Tramontano, Ralph Wells, Mabel Whiting (Orange County Audubon Society).

503. Orange County (northeastern), Calif. 7½-mile radius centering on Bolero Lookout, including Lemon Heights, Irvine Park, O'Neil Park, Tucker Sanctuary, and Peter's, Santiago, Black Star, Silverado, Trabuco Canyons; fields 10%, grassland 30%, chaparral 40%, Live Oak-Sycamore woodland 20%).—Jan. 2; 7:30 a.m. to 6 p.m. Partly cloudy; temp. 30° to 55°; wind NE, 0-15 m.p.h. Twenty-four observers in 7 parties. Total party-hours, 51 (46 on foot, 5 by car); total party-miles, 162 (92 on foot, 70 by car). Eared Grebe, 25; Western Grebe, 2; Pied-billed Grebe, 5; Double-crested Cormorant, 6; Great Blue Heron, 7; Am. Egret, 2; Black-crowned Night Heron, 1; **Whistling Swan,** 1 (B.L., J.T.); Mallard, 1; Am. Widgeon, 9; Pintail, 60; Green-winged Teal, 20; Shoveller, 314; Ring-necked Duck, 2; Canvas-back, 102; Lesser Scaup, 105; Ruddy Duck, 114; Red-breasted Merganser, 1; Turkey Vulture, 8; Sharp-shinned Hawk, 3; Cooper's Hawk, 2; Red-tailed Hawk, 39; Red-shouldered Hawk, 12; Ferruginous Hawk, 1; Golden Eagle, 2; **Bald Eagle,** 2 (4 observers); Marsh Hawk, 5; Sparrow Hawk, 17; California Quail, 268; Mountain Quail, 1; Am. Coot, 1110; Killdeer, 116; Greater Yellow-legs, 1; Least Sandpiper, 12; Red-backed Sandpiper, 1; Ring-billed Gull, 1; Band-tailed Pigeon, 9; Mourning Dove, 130; Spotted Dove, 10; Road-runner, 1; Barn Owl, 1; Screech Owl, 1; Horned Owl, 9; **Allen's Hummingbird,** 2 (E.S., G.S.); Anna's Hummingbird, 197; Belted Kingfisher, 4; Red-shafted Flicker, 92; Acorn Woodpecker, 278; Yellow-bellied Sapsucker, 8; Nuttall's Woodpecker, 15; Cassin's Kingbird, 10; Black Phoebe, 32; Say's Phoebe, 30; Scrub Jay, 129; Common Raven, 54; Am. Crow, 198; Plain Titmouse, 130; Common Bushtit, 648; White-breasted Nuthatch, 3; Wren-tit, 73; House Wren, 7; Bewick's Wren, 24; Cactus Wren, 1; Cañon Wren, 2; Mockingbird, 21; California Thrasher, 49; Am. Robin, 84; Hermit Thrush, 22; Western Bluebird, 57; Mountain Bluebird, 118; Blue-gray Gnatcatcher, 4; Ruby-crowned Kinglet, 95; Water Pipit, 583; Cedar Waxwing, 201; **Phainopepla,** 21; Loggerhead Shrike, 15; Hutton's Vireo, 3; Orange-crowned Warbler, 10; Audubon's Warbler, 1041; Common Yellowthroat, 4; House Sparrow, 77; Western Meadowlark, 191; Red-winged Blackbird, 153; Tri-colored Blackbird, 2; Brewer's Blackbird, 169; Purple Finch, 6; House Finch, 1129; Am. Goldfinch, 148; Lesser Goldfinch, 470; Lawrence's Goldfinch, 35; Spotted Towhee, 62; Brown Towhee, 452; Savannah Sparrow, 18; **Vesper Sparrow,** 2; Lark Sparrow, 294; Rufous-crowned Sparrow, 4; **Slate-colored Junco,** 2 (2 parties); Oregon Junco, 919; **Gray-headed Junco,** 1 (J. T., B. L.); White-crowned Sparrow, 1051; Golden-crowned Sparrow, 200; Fox Sparrow, 2; Song Sparrow, 38. **Total,** 103 species; about 12,231 individuals.—Priscilla Allen, Frank Brackett, Josephine Bull, Paul C. Engen, Christine Guerra, John Guerra, George Hale, Ernest Hockendauhl, Ester Johnson, Orville Johnson, Arnold Lane, Bill Lofthouse, Andy Lutterbien, Vanche Plumb, Helen Pratt, Dan Rankin, Grace Rankin, Francis Raymond, Edith Sanford, Georgia Sanford, Jean Sutton, John Tramontano, Mabel Whiting, Chester Wolff (Orange County Audubon Society, California Audubon Society, supporters of Tucker Bird Sanctuary).

504. Pasadena, Calif. (including foothills from Millard Canyon east to Santa Anita Canyon, Los Angeles County Arboretum, Audubon Center of Southern California, Arroyo Seco; dry riverbottom 50%, open fields 10%, oak woodland-chaparral 25%, ponds 10%, residential 5%).—Dec. 29; 7 a.m. to 5 p.m. Clear to cloudy; temp. 34° to 58°; wind [direction?—Ed.], gusty to calm. Twenty-three observers in 10 parties. Total party-hours, 57; total party-miles, 109½ (38 on foot, 71½ by car). Pied-billed Grebe, 1; Great Blue Heron, 1; Am. Egret, 5; Snowy Egret, 5; Green Heron, 2; Am. Bittern, 2; Mallard, 12; Green-winged Teal, 1; Cinnamon Teal, 9; Shoveller, 1; Ring-necked Duck, 10; Canvas-back, 13; White-tailed Kite, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 16; Red-shouldered Hawk, 6; Pigeon Hawk, 2; Sparrow Hawk, 36; California Quail, 23; Ring-necked Pheasant, 4; Virginia Rail, 1; Sora, 2; Am. Coot, 284; Killdeer, 174; Wilson's Snipe, 6; Spotted Sandpiper, 1; Greater Yellow-legs, 30; Lesser Yellow-legs, 1; Least Sandpiper, 197; Glaucous-winged Gull, 1; Herring Gull, 1; California Gull, 101; Ring-billed Gull, 24; Band-tailed Pigeon, 6; Mourning Dove, 242; Spotted Dove, 152; Road-runner, 2; Screech Owl, 2; Horned Owl, 1; Burrowing Owl, 1; White-throated Swift, 30; **Black-chinned Hummingbird,** 4; Anna's Hummingbird, 53; Belted Kingfisher, 7; Red-shafted Flicker, 52; Acorn Woodpecker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 5; Nuttall's Woodpecker, 12; Ash-throated Flycatcher, 1; Black Phoebe, 45; Say's Phoebe, 5; Western Wood Pewee, 1 [no detaails—Ed.]; Steller's Jay, 7; Scrub Jay, 129; Am. Crow, 263; Mountain Chickadee, 1; Plain Titmouse, 27; Common Bushtit, 321; White-breasted Nuthatch, 1; Brown Creeper, 1; Wren-tit, 90; House Wren, 3; Bewick's Wren, 28; Long-billed Marsh Wren, 1; Cañon Wren, 3; Rock Wren, 2; Mockingbird, 120; California Thrasher, 7; Am. Robin, 315; Hermit Thrush, 22; Western Bluebird, 2; Blue-gray Gnatcatcher, 13; Ruby-crowned Kinglet, 54; Water Pipit, 143; Cedar Waxwing, 227; Loggerhead Shrike, 44; Hutton's Vireo, 7; Orange-crowned Warbler, 4; Audubon's Warbler, 564; Townsend's Warbler, 1; Yellow-throated Warbler, 38; Black-capped Warbler, 2; House Sparrow, 439; Western Meadowlark, 325; Red-winged Blackbird, 1432; Brewer's Blackbird, 1727; Brown-headed Cowbird, 12; Cardinal, 11; Purple Finch, 109; Cassin's Finch, 3; House Finch, 995; Pine Siskin, 25; Am. Goldfinch, 72; Lesser

Goldfinch, 65; Green-tailed Towhee, 1; Spotted Towhee, 69; Brown Towhee, 257; Savannah Sparrow, 77; Lark Sparrow, 24; Slate-colored Junco, 4; Oregon Junco, 261; Chipping Sparrow, 16; White-crowned Sparrow, 351; Golden-crowned Sparrow, 5; Fox Sparrow, 7; Lincoln's Sparrow, 7; Song Sparrow, 115. **Total,** 109 species; about 10,727 individuals.—Peter Arguien, Arthur Barr (compiler), Donald Barr, H. H. Benson, Doris K. Bullion, Ferne Downing, Pat Gould, Minnie A. Grove, Bill Hawkins, Paul Herman, Dick Holmes, Jacquie Horton, Henry W. Isham, Enid Michael, Denise Smith, Mr. and Mrs. James Smith, Dick Smith, Alma Stultz, John Tramontano, Cora Wilson, Jo Ann Wilson, Gertrude Woods.

505. Pauma Valley (San Diego Co.), Calif. (same area as previous years).—Jan. 1; 6:30 a.m. to 4:30 p.m. Thin to heavy overcast, light rain last hour; temp. 47° to 62°; wind 0-5 m.p.h.; reservoirs full, creeks and river dry, 1 mile flow in San Luis Rey River. Four observers in 3 parties. Total party-hours, 27 (17 on foot, 10 by car); total party-miles, 46 (22 on foot, 24 by car). Pied-billed Grebe, 5; Double-crested Cormorant, 7; Great Blue Heron, 1; Canada Goose, 9; Canvas-back, 1; Lesser Scaup, 2; Ruddy Duck, 10; Am. Merganser, 32; Sharp-shinned Hawk, 1; Cooper's Hawk, 6; Red-tailed Hawk, 5; Red-shouldered Hawk, 4; Golden Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 18; California Quail, 287; Am. Coot, 18; Killdeer, 80; Spotted Sandpiper, 14; Ring-billed Gull, 4; Mourning Dove, 46; Road-runner, 2; Barn Owl, 1; Anna's Hummingbird, 2; Belted Kingfisher, 1; Red-shafted Flicker, 28; Acorn Woodpecker, 55; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 1; Nuttall's Woodpecker, 11; Cassin's Kingbird, 1; Black Phoebe, 19; Say's Phoebe, 9; Scrub Jay, 18; Common Raven, 5; Am. Crow, 10; Plain Titmouse, 21; Common Bushtit, 59; White-breasted Nuthatch, 3; **Brown Creeper,** 1; Wren-tit, 26; House Wren, 1; Bewick's Wren, 6; Rock Wren, 3; Mockingbird, 8; California Thrasher, 27; Am. Robin, 4; Hermit Thrush, 11; Western Bluebird, 81; Blue-gray Gnatcatcher, 4; Ruby-crowned Kinglet, 54; Water Pipit, 86; Cedar Waxwing, 143; Loggerhead Shrike, 6; Orange-crowned Warbler, 7; Audubon's Warbler, 692; Common Yellowthroat, 2; House Sparrow, 40; Western Meadowlark, 39; **Scott's Oriole,** 1 (same area as last year); Brewer's Blackbird, 960; **Black-headed Grosbeak,** 1 (adult male carefully studied); House Finch, 626; Pine Siskin, 17; Lesser Goldfinch, 131; Lawrence's Goldfinch, 2; **Green-tailed Towhee,** 1; Spotted Towhee, 30; Brown Towhee, 65; Savannah Sparrow, 53; Vesper Sparrow, 1; Lark Sparrow, 30; Rufous-crowned Sparrow, 1; Oregon Junco, 66; Chipping Sparrow, 26; White-crowned Sparrow, 126; Golden-crowned Sparrow, 4; Song Sparrow, 38. **Total,** 78 species; about 4220 individuals. (Seen in area during count period: Hutton's Vireo.)—Mr. and Mrs. Homer V. Sharpless, Mrs. Sidney S. Doner, Mrs. Millard J. Beemer.

506. Red Bluff, Calif. (same area as last year).—Dec. 27; 9 a.m. to 5 p.m. Clear, high clouds late p.m.; temp. 36° to 43°; wind N to NW, 5-14 m.p.h. Eight observers in 3 parties. Total party-hours, 24 (20 on foot, 4 by car); total party-miles, 101 (21 on foot, 80 by car). Eared Grebe, 13; Pied-billed Grebe, 21; Great Blue Heron, 4; Am. Egret, 1; Whistling Swan, 250; Canada Goose, 700; White-fronted Goose, 150; Mallard, 37; Gadwall, 3; Wood Duck, 2; Redhead, 28; Ring-necked Duck, 21; Canvas-back, 19; Lesser Scaup, 8; Am. Golden-eye, 1; Ruddy Duck, 40; Hooded Merganser, 3; Am. Merganser, 19; Turkey Vulture, 15; Cooper's Hawk, 1; Red-tailed Hawk, 9; Red-shouldered Hawk, 1; Sparrow Hawk, 17; California Quail, 123; Ring-necked Pheasant, 11; Sandhill Crane, 305; Am. Coot, 263; Killdeer, 50; Wilson's Snipe, 35; Mourning Dove, 30; Road-runner, 1; Barn Owl, 2; Screech Owl, 1; Horned Owl, 3; Belted Kingfisher, 4; Red-shafted Flicker, 280; Acorn Woodpecker, 113; Lewis's Woodpecker, 68; Hairy Woodpecker, 2; Downy Woodpecker, 10; Nuttall's Woodpecker, 4; Black Phoebe, 3; Say's Phoebe, 1; Horned Lark, 135; Blue Jay, 114; Steller's Jay, 5; Yellow-billed Magpie, 261; Am. Crow, 100; Mountain Chickadee, 5; Plain Titmouse, 34; Common Bushtit, 53; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 1; Brown Creeper, 1; Wren-tit, 1; Bewick's Wren, 6; Marsh Wren, 1; Cañon Wren, 2; Rock Wren, 3; Mockingbird, 1; California Thrasher, 1; Am. Robin, 111; Hermit Thrush, 3; Western Bluebird, 80; Mountain Bluebird, 2; Ruby-crowned Kinglet, 56; Water Pipit, 66; Cedar Waxwing, 205; Gray Shrike, 16 [no details —Ed.]; Hutton's Vireo, 1; Audubon's Warbler, 34; House Sparrow, 300; Western Meadowlark, 517; Brewer's Blackbird, 756; Purple Finch, 10; House Finch, 53; Am. Goldfinch, 35; Lesser Goldfinch, 69; Spotted Towhee, 85; Brown Towhee, 82; Savannah Sparrow, 83; Grasshopper Sparrow, 5; Lark Sparrow, 87; Oregon Junco, 290; White-crowned Sparrow, 611; Golden-crowned Sparrow, 47; Fox Sparrow, 1; Song Sparrow, 41. **Total,** 88 species; about 7050 individuals.—Mable and Robert Todd, Rodney Gregg, Warren Bailey, Col. and Mrs. Edward Frisbee, George and Beatrice Nielsen (compiler) (Mt. Lassen Bird Club).

507. Redlands, Calif. (same area as last year; coniferous forest 60%, chaparral 15%, wooded canyon bottom 15%, open fields and pond margins 10%).—Dec. 30; 7 a.m. to 6 p.m. Clear; temp. 35° to 61°; little or no wind; Jenks Lake partly frozen, Mill Creek and lower reservoirs open, light snow above 6000 ft. Fifteen observers in 4 parties. Total party-hours, 36 (19 on foot, 17 by car); total party-miles, 178 (18 on foot, 160 by car). Pied-billed Grebe, 1; Green-winged Teal, 1; Cinnamon Teal, 1; Redhead, 2; Ring-necked Duck, 110; Canvas-back, 12; Lesser Scaup, 1; Ruddy Duck, 29; Red-breasted Merganser, 1; Cooper's Hawk, 1; Red-tailed Hawk, 15; Golden Eagle, 1; Sparrow Hawk, 25; California Quail, 21; Am. Coot, 6; Killdeer, 13; Band-tailed Pigeon, 221; Mourning Dove, 3; Spotted Dove, 4; Red-shafted Flicker, 56; Acorn Woodpecker, 118; Lewis's Woodpecker, 6; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 3; Nuttall's Woodpecker, 3; White-headed Woodpecker, 5; Black

Phoebe, 4; Say's Phoebe, 2; Steller's Jay, 45; Scrub Jay, 26; Common Raven, 3; Am. Crow, 6; Clark's Nutcracker, 7; Mountain Chickadee, 81; Plain Titmouse, 17; Common Bushtit, 68; White-breasted Nuthatch, 20; Pygmy Nuthatch, 34; Brown Creeper, 2; Wren-tit, 10; Bewick's Wren, 2; Cañon Wren, 2; Rock Wren, 1; Mockingbird, 10; California Thrasher, 6; Am. Robin, 105; Hermit Thrush, 3; Western Bluebird, 233; Townsend's Solitaire, 2; Ruby-crowned Kinglet, 24; Water Pipit, 2; Cedar Waxwing, 494; Phainopepla, 3; Loggerhead Shrike, 5; Audubon's Warbler, 14; **Painted Redstart,** 1 (seen almost daily since early Dec.); House Sparrow, 43; Western Meadowlark, 25; Brewer's Blackbird, 86; Purple Finch, 161; Cassin's Finch, 7; House Finch, 61; Pine Siskin, 162; Am. Goldfinch, 2; Lesser Goldfinch, 19; Lawrence's Goldfinch, 44; Red Crossbill, 31; Spotted Towhee, 14; Brown Towhee, 26; Savannah Sparrow, 4; Lark Sparrow, 8; Sage Sparrow, 1; Oregon Junco, 316 (Pink-sided, 2); Gray-headed Junco, 1; White-crowned Sparrow, 185; Golden-crowned Sparrow, 73; Song Sparrow, 1. **Total,** 78 species (1 additional subspecies); about 3165 individuals. (Seen in area Dec. 29: Varied Thrush, Winter Wren.)—Lucille Abbott, Roberta Cushing, Laura Dodge, Jeanne Goodman, John Goodman (compiler), Harold Hill, Lillian Kennedy, Ellen Kidd, Sterling Leatherman, Robert Martin, Nell Moore, Jo Vaughn, Pat Wade, Ann Wissler, Howard York (San Bernardino Valley Audubon Society).

508. Sacramento, Calif. (7½-mile radius centering at confluence of Sacramento and American Rivers; towns and suburbs 30%, open fields 60%, riparian woodland 4%, marsh 3%, open water 3%).—Dec. 26; 7 a.m. to 5 p.m.; temp. 34° to 50°; wind NW, 13-25 m.p.h. Sixty-three observers in 19 parties. Total party-hours, 178 (52 on foot, 126 by car); total party-miles, 690 (146 on foot, 544 by car). Eared Grebe, 1; Pied-billed Grebe, 40; Double-crested Cormorant, 4; Great Blue Heron, 24; Am. Egret, 68; Green Heron, 4; Whistling Swan, 312; Canada Goose, 8714; White-fronted Goose, 2288; Snow Goose, 4769; **Ross's Goose,** 2; Mallard, 2299; Gadwall, 2; Am. Widgeon, 240; **Pintail,** 93,289; Green-winged Teal, 101; Cinnamon Teal, 10; Shoveller, 13; Wood Duck, 5; Ring-necked Duck, 40; Canvas-back, 5; Lesser Scaup, 21; Ruddy Duck, 45; **Am. Merganser,** 30; Turkey Vulture, 2; **White-tailed Kite,** 15; Sharp-shinned Hawk, 3; Cooper's Hawk, 3; **Red-tailed Hawk,** 120; Red-shouldered Hawk, 5; Marsh Hawk, 140; Peregrine Falcon, 1; **Sparrow Hawk,** 390; California Quail, 394; Ring-necked Pheasant, 230; Sandhill Crane, 1; Virginia Rail, 1; rail (sp.), 1; Florida Gallinule, 20; Am. Coot, 2180; **Mountain Plover,** 110; **Killdeer,** 5792; **Black-bellied Plover,** 415; Wilson's Snipe, 37; Long-billed Curlew, 296; Spotted Sandpiper, 4; Greater Yellow-legs, 5; Least Sandpiper, 108; Dowitcher, 212; Western Sandpiper, 122; Herring Gull, 1; California Gull, 863; Ring-billed Gull, 963; gull (sp.), 2050; Band-tailed Pigeon, 8; Mourning Dove, 303; Barn Owl, 12; Screech Owl, 1; Horned Owl, 3; Burrowing Owl, 7; Short-eared Owl, 1; Anna's Hummingbird, 5; Belted Kingfisher, 9; **Red-shafted Flicker,** 578; Acorn Woodpecker, 82; Lewis's Woodpecker, 3; Yellow-bellied Sapsucker, 14; **Hairy Woodpecker,** 1; Downy Woodpecker, 29; Nuttall's Woodpecker, 27; Black Phoebe, 53; Say's Phoebe, 1; Horned Lark, 1920; Tree Swallow, 4; Scrub Jay, 277; Yellow-billed Magpie, 846; Am. Crow, 970; Plain Titmouse, 61; Common Bushtit, 279; White-breasted Nuthatch, 15; Red-breasted Nuthatch, 2; Brown Creeper, 2; Wren-tit, 1; House Wren, 6; Winter Wren, 1; Bewick's Wren, 16; Long-billed Marsh Wren, 5; Mockingbird, 75; Am. Robin, 1337; Varied Thrush, 26; Hermit Thrush, 17; Western Bluebird, 297; Blue-gray Gnatcatcher, 1; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 240; **Water Pipit,** 8070; **Cedar Waxwing,** 1124; Loggerhead Shrike, 60; **Common Starling,** 432; Orange-crowned Warbler, 10; Audubon's Warbler, 1982; House Sparrow, 2414; Western Meadowlark, 5373; Red-winged Blackbird, 6674; Brewer's Blackbird, 12,656; Brown-headed Cowbird, 23; blackbird (sp.), 16,690; Purple Finch, 45; House Finch, 4387; **Am. Goldfinch,** 2890; **Lesser Goldfinch,** 1762; Spotted Towhee, 144; Brown Towhee, 47; Savannah Sparrow, 1355; Grasshopper Sparrow, 5; **Lark Sparrow,** 1044; Slate-colored Junco, 6; **Oregon Junco,** 1582; **White-crowned Sparrow,** 5523; **Golden-crowned Sparrow,** 506; Fox Sparrow, 37; Lincoln's Sparrow, 1; Song Sparrow, 42. **Total,** 120 species (2 additional subspecies [?—Ed.]); about 209,234 individuals.—A. J. Argante, Mrs. Willie Argante, Jonda Argante, Tod Argante, Mrs. Cora Baker, Mrs. Lillian Barnes, Mrs. Georgia Borchert, Eugene Christian, Don Cottrell, Allan Craig, Mrs. Evelyn Craig, F. C. Craig, L. Robert Cunningham, Robert L. Cunningham, Jack Dennison, Mrs. Olivette Dennison, Jim Denny, George Dobbins, Jim Doull, Ben Eizinger, Mrs. Margaret Emigh, Fred G. Evenden, Mrs. Ruth Finley, Mrs. Jeanette Fry, Bob Herren, Antonia Hyatt, Beverly Kaminsky, Mrs. Muriel Kaminsky, Mrs. Betty Kimball, Helen Kimball, Delbert King, Mrs. Celeste Kirsher, William K. Kirsher (compiler), Mrs. Lucy Labhard, Nancy Labhard, Teddy Labhard, Dean McBride, Mrs. Elizabeth McGilvray, Kenneth McGilvray, Mrs. Alfrieda Meuser, Dave Mitchell, Richard Paulson, Mrs. Kay Paulson, John Peace, Leonard Penhale, Mrs. Leonard Penhale, E. R. Pickett, Mrs. Marie Pickett, Reed Pierce, Dennis Price, Michale Rodegerdts, Bruce Swinehart, Mrs. Jeanne Swinehart, Wordena Swisher, Montagu Tancock, Mrs. Montagu Tancock, Genevieve Trousdale, James Wanzer, Mrs. Magdalene Wanzer, Mrs. Alice Williams, Edward Yeaw, Mrs. Effie Yeaw, Mrs. Ruby Hutchinson.

509. Sacramento National Wildlife Refuge, Calif. (7½-mile radius centering on headquarters building; grassy flats 36%, flooded lands 22%, ponds 12%, cultivated land 20%, marsh 8%, riparian woodland 1%, gardens and lawns 1%).—Dec. 29; 7:30 a.m. to 5:30 p.m. Clear a.m., overcast p.m.; temp. 36° to 57°; wind WSW to W, 10-14 m.p.h.; frost early morning, no ponds frozen. Four observers in 2 parties. Total party-hours, 36 (18 on foot, 16

by car, 2 in airplane); total party-miles, 65 (4 on foot, 11 by car, 50 by airplane). Pied-billed Grebe, 4; White Pelican, 207; Double-crested Cormorant, 5; Great Blue Heron, 12; Am. Egret, 31; Snowy Egret, 5; Black-crowned Night Heron, 650; Am. Bittern, 1; Whistling Swan, 900; Canada Goose, 2120; White-fronted Goose, 10,000; Snow Goose, 85,000; Ross's Goose, 400; Mallard, 95,000; Gadwall, 200; Am. Widgeon, 130,000; Pintail, 275,000; Green-winged Teal, 45,000; Cinnamon Teal, 100; Shoveller, 8000; Redhead, 1; Ring-necked Duck, 1; Canvas-back, 6; Buffle-head, 2; Ruddy Duck, 300; Hooded Merganser, 4; Am. Merganser, 27; Turkey Vulture, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 51; Ferruginous Hawk, 1; Marsh Hawk, 6; Peregrine Falcon, 1; Sparrow Hawk, 6; California Quail, 1; Ring-necked Pheasant, 63; Florida Gallinule, 2; Am. Coot, 3000; Killdeer, 9; Wilson's Snipe, 2; Greater Yellow-legs, 1; Least Sandpiper, 61; Red-backed Sandpiper, 103; Dowitcher, 302; Western Sandpiper, 86; Am. Avocet, 11; Herring Gull, 2; California Gull, 3; Ring-billed Gull, 9; Mourning Dove, 7; Burrowing Owl, 4; Red-shafted Flicker, 9; Nuttall's Woodpecker, 2; Horned Lark, 63; Tree Swallow, 1; Yellow-billed Magpie, 4; Am. Crow, 251; Long-billed Marsh Wren, 2; Mocking-bird, 1; Am. Robin, 1; Ruby-crowned Kinglet, 4; Water Pipit, 245; Loggerhead Shrike, 6; Common Starling, 380; Audubon's Warbler, 58; House Sparrow, 33; Western Meadowlark, 515; Red-winged Blackbird, 55,000; Tricolored Blackbird, 4; Brewer's Blackbird, 30,000; Brown-headed Cowbird, 5; House Finch, 36; Lesser Goldfinch, 21; Brown Towhee, 1; Savannah Sparrow, 15; Oregon Junco, 36; White-crowned Sparrow, 243; Golden-crowned Sparrow, 9; Song Sparrow, 2. **Total,** 80 species (4 additional subspecies [?—Ed.]); about 743,657 individuals. (Indebted to U. S. Fish and Wildlife Service for putting a trained pilot biologist at our disposal. This enabled us to make an extremely accurate count of waterfowl from the air.)—Raymond M. Glahn, David B. Marshall, Mimi Small, Arnold Small (compiler).

510. Salinas, Calif. (same area as 1945 and subsequent years).—Dec. 28; 7 a.m. to 5 p.m. Overcast a.m., sunny p.m.; temp. 42° to 62°; wind E, 10 m.p.h. Eight observers in 4 parties. Total party-hours, 48 (23 on foot, 25 by car); total party-miles, 157 (27 on foot, 130 by car). Common Loon, 20; Arctic Loon, 3; Red-throated Loon, 12; Red-necked Grebe, 6; Horned Grebe, 17; Eared Grebe, 45; Western Grebe, 713; Pied-billed Grebe, 14; White Pelican, 8; Brown Pelican, 22; Double-crested Cormorant, 17; Brandt's Cormorant, 150; Pelagic Cormorant, 25; Great Blue Heron, 26; Am. Egret, 12; Snowy Egret, 26; Green Heron, 1; Black-crowned Night Heron, 12; Canada Goose, 1; Mallard, 4; Am. Widgeon, 4; Pintail, 97; Green-winged Teal, 14; Cinnamon Teal, 5; Shoveller, 38; Redhead, 3; Ring-necked Duck, 2; Canvas-back, 167; Greater Scaup, 6; Lesser Scaup, 68; Buffle-head, 52; White-winged Scoter, 242; Surf Scoter, 2852; Ruddy Duck, 237; Red-breasted Merganser, 1; Turkey Vulture, 5; White-tailed Kite, 9; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 7; Golden Eagle, 2; Marsh Hawk, 2; Sparrow Hawk, 36; California Quail, 24; Ring-necked Pheasant, 3; Clapper Rail, 1; Virginia Rail, 2; Sora, 1; Florida Gallinule, 3; Am. Coot, 838; Snowy Plover, 27; Ringed Plover, 3; Killdeer, 129; Black-bellied Plover, 15; Wilson's Snipe, 5; Long-billed Curlew, 15; Hudsonian Curlew, 3; Willet, 395; Greater Yellow-legs, 2; Least Sandpiper, 124; Red-backed Sandpiper, 340; Dowitcher, 13; Western Sandpiper, 425; Marbled Godwit, 175; Sanderling, 406; Am. Avocet, 343; **Black-necked Stilt,** 20 (present all month—C.A.); **Red Phalarope,** 1 (C.A.); Glaucous-winged Gull, 8; Western Gull, 96; Herring Gull, 39; California Gull, 22; Ring-billed Gull, 14; Short-billed Gull, 152; Bonaparte's Gull, 35; Heermann's Gull, 75; Forster's Tern, 51; Common Tern, 2; Mourning Dove, 5; Barn Owl, 1; Burrowing Owl, 1; Short-eared Owl, 3; White-throated Swift, 10; Anna's Hummingbird, 1; Belted Kingfisher, 1; Red-shafted Flicker, 26; Acorn Woodpecker, 6; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Nuttall's Woodpecker, 2; Black Phoebe, 5; Say's Phoebe, 4; Horned Lark, 6; Tree Swallow, 19; Steller's Jay, 2; Scrub Jay, 15; Yellow-billed Magpie, 40; Am. Crow, 282; Chestnut-backed Chickadee, 13; Plain Titmouse, 2; Common Bushtit, 28; White-breasted Nuthatch, 1; Brown Creeper, 1; Wren-tit, 3; House Wren, 4; **Winter Wren,** 1 (L.H.); Bewick's Wren, 4; Long-billed Marsh Wren, 6; California Thrasher, 2; Am. Robin, 120; Varied Thrush, 1; Hermit Thrush, 21; Western Bluebird, 3; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 15; Water Pipit, 32; Cedar Waxwing, 9; Loggerhead Shrike, 12; Hutton's Vireo, 5; Orange-crowned Warbler, 19; Myrtle Warbler, 34; Audubon's Warbler, 40; Townsend's Warbler, 2; Common Yellowthroat, 3; House Sparrow, 208; Western Meadowlark, 256; Red-winged Blackbird, 275; Tricolored Blackbird, 130; Brewer's Blackbird, 1515; Brown-headed Cowbird, 3; Purple Finch, 18; House Finch, 1348; Pine Siskin, 12; Am. Goldfinch, 125; Lesser Goldfinch, 170; Lawrence's Goldfinch, 2; Spotted Towhee, 6; Brown Towhee, 12; Savannah Sparrow, 32; Oregon Junco, 58; White-crowned Sparrow, 278; Golden-crowned Sparrow, 266; Fox Sparrow, 2; Lincoln's Sparrow, 2; Song Sparrow, 22. **Total,** 145 species; about 14,346 individuals. (Seen in area before and after count: Mountain Plover, 30; Whistling Swan, 12.)—Charles Anderson (compiler), Viola Anderson, Janet Hatton, Louise Hatton, Alva Lamont, George Lamont, John Stanton, Margaret Stanton.

511. San Bernardino, Calif. (7½-mile radius centering at Inland Lake, including Warm Creek Wildlife Refuge, Montecito Cemetery, foothills of Del Rosa and San Bernardino; pasture and streamside willows 10%, pond and cattail marshes 25%, deciduous woods 30%, chaparral 25%, suburbs and roadsides 10%).—Dec. 26; 9 a.m. to 5 p.m. Sunny; temp. average 55°; no wind a.m., very strong p.m. Fifteen observers in 4 parties. Total party-hours, 24 (7 on foot, 17 by car); total party-miles, 76 (13 on

foot, by car 63). Great Blue Heron, 1; Mallard, 27; Am. Widgeon, 9; Shoveller, 8; Ruddy Duck, 5; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 2; Sparrow Hawk, 14; California Quail, 21; Ring-necked Pheasant, 2; Am. Coot, 64; Killdeer, 70; Spotted Sandpiper, 1; Ring-billed Gull, 1; Spotted Dove, 61; **Black-chinned Hummingbird,** 1; Anna's Hummingbird, 13; Belted Kingfisher, 2; Red-shafted Flicker, 11; Black Phoebe, 4; Say's Phoebe, 2; Scrub Jay, 14; Am. Crow, 2; Common Bushtit, 74; Wren-tit, 2; Bewick's Wren, 1; Mockingbird, 21; Sage Thrasher, 1; Hermit Thrush, 4; Western Bluebird, 2; Mountain Bluebird, 3; Townsend's Solitaire, 1; Ruby-crowned Kinglet, 10; Cedar Waxwing, 231; Loggerhead Shrike, 6; **Myrtle Warbler,** 1; Audubon's Warbler, 53; House Sparrow, 39; Western Meadowlark, 43; Brewer's Blackbird, 274; Purple Finch, 5; House Finch, 116; Am. Goldfinch, 12; Lesser Goldfinch, 22; Lawrence's Goldfinch, 2; Spotted Towhee, 4; Brown Towhee, 44; Oregon Junco, 6; Chipping Sparrow, 14; White-crowned Sparrow, 29; Golden-crowned Sparrow, 12; Song Sparrow, 3. **Total,** 53 species; about 1373 individuals.—Mrs. Glenn Vaughn, Mildred Smith, Mrs. Marguerite Smelser, Obed Smelser, Paul Starbuck, Sterling Leatherman, Mrs. Ira Wissler, Mrs. D. F. Wade, Mrs. John Hughes, Robert Kyle, Vernon Poole, Mr. and Mrs. Kenneth Scott, Merle Whitney, Mrs. Ethel West (compiler).

512. San Diego, Calif. (same area as last year, but much more thorough coverage; ocean and rocky shores 15%, open bay 10%, tide flats 15%, salt marshes 10%, chaparral slopes and canyons 5%, brushy fields 5%, open farmland 8%, city parks 10%, fresh-water ponds 5%, city reservoirs 10%, willow thickets 5%, live oak groves 2%.)—Dec. 26; 6 a.m. to 4:45 p.m. Partly cloudy, morning fog light; temp. 50° to 62°; wind W to NW, 2-10 m.p.h. Forty-three observers in 21 parties. Total party-hours, 114½ (83 on foot, 31½ by car); total party-miles, 327½ (45½ on foot, 282 by car). Common Loon, 1; Arctic Loon, 6; Red-throated Loon, 1; Horned Grebe, 76; Eared Grebe, 281; Western Grebe, 230; Pied-billed Grebe, 74; White Pelican, 26; Brown Pelican, 199; Double-crested Cormorant, 1781; Brandt's Cormorant, 65; Pelagic Cormorant, 6; cormorant (sp.), 1200; Great Blue Heron, 44; Am. Egret, 72; Snowy Egret, 122; Green Heron, 7; Black-crowned Night Heron, 57; Am. Bittern, 1; Black Brant, 2076; White-fronted Goose, 1; Snow Goose, 5; Mallard, 8; Gadwall, 3; Am. Widgeon, 546; Pintail, 1106; Green-winged Teal, 236; Cinnamon Teal, 1; Shoveller, 364; Redhead, 5; Ring-necked Duck, 4; Canvas-back, 2; **Greater Scaup,** 24 (present for weeks); Lesser Scaup, 2203; **Am. Golden-eye,** 5 (C.C., J.C., E.C.T.); Buffle-head, 606; White-winged Scoter, 1; Surf Scoter, 7376; **Am. Scoter,** 17 (3 ad. ♂—C.C.); Ruddy Duck, 432; **Am. Merganser,** 6 (B.L.M.); Red-breasted Merganser, 27; ducks (sp.), 400; Turkey Vulture, 3; White-tailed Kite, 2; Sharp-shinned Hawk, 2; Cooper's Hawk, 9; Red-tailed Hawk, 21; Red-shouldered Hawk, 3; Golden Eagle, 1; Marsh Hawk, 14; Prairie Falcon, 1; Peregrine Falcon, 2; Pigeon Hawk, 3; Sparrow Hawk, 51; California Quail, 305; Clapper Rail, 6; Sora, 2; Florida Gallinule, 5; Am. Coot, 837; Snowy Plover, 17; Ringed Plover, 45; Killdeer, 284; Black-bellied Plover, 284; **Am. Golden Plover,** 1 (all field marks—K.S., C.S.); Surf-bird, 19; Ruddy Turnstone, 26; **Black Turnstone,** 170; Wilson's Snipe, 18; Long-billed Curlew, 45; Hudsonian Curlew, 25; Spotted Sandpiper, 13; Willet, 1255; Greater Yellow-legs, 109; **Lesser Yellow-legs,** 8 (4 observers); **Red Knot,** 101; Least Sandpiper, 205; Red-backed Sandpiper, 341; Dowitcher, 439 (extremes of Long-billed and Eastern); Western Sandpiper, 1605; Marbled Godwit, 1099; Sanderling, 772; Am. Avocet, 501; **Black-necked Stilt,** 3; **Red Phalarope,** 25; **Northern Phalarope,** 8 (both species present all fall); **Parasitic Jaeger,** 8 (7 adults, numbers all fall—B. M., C.C., B.C.); Glaucous-winged Gull, 104; Western Gull, 814; Herring Gull, 214; California Gull, 702; Ring-billed Gull, 2368; Short-billed Gull, 1; Bonaparte's Gull, 855; Heermann's Gull, 559; Forster's Tern, 249; **Common Tern,** 3 (P.P., H.P., K.S., C.S.); Royal Tern, 45; Caspian Tern, 34; Mourning Dove, 450; **Spotted Dove,** 7 (well established); Road-runner, 3; Barn Owl, 5; Screech Owl, 2; Burrowing Owl, 1; Long-eared Owl, 1; **Lesser Nighthawk,** 1 (carefully identified to species—H.P.); Anna's Hummingbird, 65; Belted Kingfisher, 20; Red-shafted Flicker, 30; Acorn Woodpecker, 5; Yellow-bellied Sapsucker, 4 (Red-breasted); Nuttall's Woodpecker, 6; Cassin's Kingbird, 8; Black Phoebe, 41; Say's Phoebe, 19; **empidonax** (sp.), 4 (H.S., M.V.W.); Vermilion Flycatcher, 1; Horned Lark, 91; Tree Swallow, 3; Scrub Jay, 17; Common Raven, 2; Am. Crow, 33; Plain Titmouse, 12; Common Bushtit, 238; Wren-tit, 80; House Wren, 9; Bewick's Wren, 4; Long-billed Marsh Wren, 5; Rock Wren, 3; Mockingbird, 109; California Thrasher, 32; Am. Robin, 41; Hermit Thrush, 19; Western Bluebird, 59; Blue-gray Gnatcatcher, 20; **Golden-crowned Kinglet,** 1 (all field marks—E.S., G.S.); Ruby-crowned Kinglet, 22; Water Pipit, 278; Cedar Waxwing, 379; Phainopepla, 2; Loggerhead Shrike, 50; Hutton's Vireo, 2; Orange-crowned Warbler, 8; **Nashville Warbler,** 1 (B.M., M.H., T.W.); **Myrtle Warbler,** 3 (4 observers); Audubon's Warbler, 702; Common Yellowthroat, 12; House Sparrow, 538; Western Meadowlark, 179; Yellow-headed Blackbird, 1; Red-winged Blackbird, 766; Tricolored Blackbird, 17; **Hooded Oriole,** 4 (at feeder since Oct.—E.H.P., W.L.P.); Brewer's Blackbird, 2082; Brown-headed Cowbird, 157; Purple Finch, 19; House Finch, 760; Am. Goldfinch, 38; Lesser Goldfinch, 93; Lawrence's Goldfinch, 5; **Green-tailed Towhee,** 1 (E.C.T., E.M.T.); Spotted Towhee, 11; Brown Towhee, 138; Savannah Sparrow, 145 (large-billed, 12; Belding's, 1); Lark Sparrow, 17; Rufous-crowned Sparrow, 3; Oregon Junco, 51; Chipping Sparrow, 2; **Brewer's Sparrow,** 2 (all field marks—M.H., C.Y., L.Y.); White-crowned Sparrow, 265; Golden-crowned Sparrow, 6; Fox Sparrow, 2; Lincoln's Sparrow, 3; Song Sparrow, 21; passerine birds (sp.), 22. **Total,** 175 species (2 addi-

tional subspecies); about 44,577 individuals. (Seen in area during census period: White-throated Swift.) [Excellent details submitted for all unusual observations—Ed.]—Beulah M. Agen, J. B. Agen, Edna F. Bennett, Vernon F. Bennett, Charles Broan, B. W. Cartwright, C. H. Channing, James E. Crouch, G. A. Francis, William J. Francis, Gladys E. Jones, Maureen J. Heraty, Juanita S. Latter, Burt L. Monroe, Jr. (compiler), Bailey Poor, Elinor M. Poor, Harriet M. Popejoy, Paul E. Popejoy, Eleanor A. Pugh, Elinor L. Pugh, Ethelwyn H. Putnam, W. L. Putnam, Jane C. Richey, Kenneth K. Rinker, Donald M. Robinson, Boyd Robinson, Minta Robinson, Arthur C. Roy, Jr., Eva C. Schafer, Emily G. Scholl, G. W. Scholl, C. Jackson Selsor, Harriett P. Snyder, Bud Sonka, Ken Stott, Jr., E. C. Trowbridge (compiler), Evelyn M. Trowbridge, Margaret Van Wert, Theodore Walker, Philip Washburn, Ruth Workman, Chester A. Yackels, Leah Mae Yackels (San Diego Audubon Society, San Diego State College).

513. San Francisco, Calif. (including Marina, Lincoln Park, Twin Peaks, Sutro Forest, Land's End, Golden Gate Park, Stern Grove, Treasure Island, Goat Island, San Francisco Bay, Pacific Ocean Beach, Lake Merced, Presidio; park 35%, bay 25%, ocean 9%, fresh-water lakes 6%, open fields 4%, other 21%).—Dec. 26; 7 a.m. to 4:30 p.m. Clear; temp. 42° to 54°; wind N, 6-15 m.p.h. Forty-seven observers in 14 parties. Total party-hours, 101 (73½ on foot, 27½ by car); total party-miles, 196 (74 on foot, 122 by car). Common Loon, 6; Arctic Loon, 5; Red-throated Loon, 23; loon (sp.), 1079; Red-necked Grebe, 2; Horned Grebe, 4; Eared Grebe, 17; Western Grebe, 697; Pied-billed Grebe, 35; Brown Pelican, 14; Double-crested Cormorant, 244; Brandt's Cormorant, 830; Pelagic Cormorant, 11; Great Blue Heron, 4; Am. Egret, 1; Black-crowned Night Heron, 20; Canada Goose, 1; White-fronted Goose, 1; Ross's Goose, 1; Mallard, 923; Gadwall, 2; **European Widgeon,** 1; Am. Widgeon, 726; Pintail, 19; Shoveller, 23; Ring-necked Duck, 47; Canvas-back, 81; Greater Scaup, 56; Lesser Scaup, 117; Am. Golden-eye, 1; Old-squaw, 3; White-winged Scoter, 31; Surf Scoter, 1189; Ruddy Duck, 279; Red-breasted Merganser, 5; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 10; Sparrow Hawk, 39; California Quail, 104; Florida Gallinule, 2; Am. Coot, 755; Snowy Plover, 40; Killdeer, 137; Black-bellied Plover, 76; Surf-bird, 3; Black Turnstone, 47; Wandering Tattler, 1; Willet, 48; Least Sandpiper, 5; Red-backed Sandpiper, 8; Western Sandpiper, 300; Marbled Godwit, 2; Sanderling, 1198; Glaucous-winged Gull, 2493; Western Gull, 445; Herring Gull, 17; California Gull, 1419; Ring-billed Gull, 252; Short-billed Gull, 1585; Bonaparte's Gull, 51; Heermann's Gull, 36; Forster's Tern, 4; Common Murre, 3; Band-tailed Pigeon, 131; Mourning Dove, 12; Anna's Hummingbird, 153; Belted Kingfisher, 3; Red-shafted Flicker, 92; Acorn Woodpecker, 1; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 8; Black Phoebe, 37; Horned Lark, 32; Scrub Jay, 11; Common Raven, 3; Northwestern Crow, 3; Chestnut-backed Chickadee, 68; Common Bushtit, 83; Red-breasted Nuthatch, 25; Brown Creeper, 2; Wren-tit, 4; House Wren, 1; Bewick's Wren, 7; Long-billed Marsh Wren, 3; Am. Robin, 432; Varied Thrush, 23; Hermit Thrush, 91; Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 58; Water Pipit, 12; Loggerhead Shrike, 17; Hutton's Vireo, 6; Orange-crowned Warbler, 3; Myrtle Warbler, 1; Audubon's Warbler, 238; Townsend's Warbler, 2; Common Yellowthroat, 12; House Sparrow, 410; Western Meadowlark, 181; Brewer's Blackbird, 489; Purple Finch, 5; House Finch, 1041; Pine Siskin, 17; Am. Goldfinch, 2; Lesser Goldfinch, 24; Spotted Towhee, 31; Brown Towhee, 1; Savannah Sparrow, 7; Lark Sparrow, 1; Oregon Junco, 641; White-crowned Sparrow, 1063; Golden-crowned Sparrow, 166; White-throated Sparrow, 1; Fox Sparrow, 209; Song Sparrow, 141. **Total,** 115 species; about 21,600 individuals.—M. Barry, L. W. Bartow, T. C. Bartow, A. J. Bennett, S. Bozant, M. J. Browne, C. L. Carson, R. R. Chase, A. L. Curl, H. Curl, B. Daly, M. Donald, K. Drybread, C. H. Fox, B. Harris, R. Hartney, J. T. Hedgpeth, C. T. Hines, Jr., L. Hood, L. R. Leinbach, M. B. Leinbach, B. Lennon, W. S. Lennon, R. Long, J. McBride, A. H. Myer (compiler), T. A. Oczkewecz, A. Oczkewecz, M. P. Palmer, H. G. Peterson, M. Peterson, C. Poranski, Jr., C. Sather, L. P. Smith, M. L. P. Smith, K. Stallcup, Sandy Sprunt, D. A. Suthers, M. D. A. Suthers, P. A. Veitch, S. Wilhelm, J. Winter, B. Wallace, R. Wise, M. H. Young, F. Zografos, Jr., M. Sterne (Golden Gate Audubon Society).

514. San Jose, Calif. (7½-mile radius centering at Capitol Ave. and Mabury Rd., including Alviso, Calaveras Reservoir, reservoir in Hall's Valley, Evergreen; salt-water marsh 10%, fresh-water lake 7%, canyon stream 16%, grassland and pasture 25%, brushland 3%, golf course 1%, oak woodland 16%, deciduous orchard 20%, town suburbs 2%).—Jan. 2; 8 a.m. to 4:30 p.m. Clear; temp. 40° to 54°; wind NW, 0-15 m.p.h. Twenty-nine observers in 9 parties. Total party-hours, 62 (41 on foot, 21 by car); total party-miles, 180 (36 on foot, 144 by car). Eared Grebe, 8; Pied-billed Grebe, 2; White Pelican, 574; Double-crested Cormorant, 15; Great Blue Heron, 1; Am. Egret, 10; Snowy Egret, 4; Green Heron, 1; Black-crowned Night Heron, 3; Whistling Swan, 15; Canada Goose, 154; Mallard, 7; Pintail, 44; Green-winged Teal, 3; Cinnamon Teal, 3; Shoveller, 260; Wood Duck, 3; Ring-necked Duck, 2; Canvas-back, 18; Lesser Scaup, 1; Buffle-head, 4; Ruddy Duck, 632; Am. Merganser, 20; Turkey Vulture, 3; White-tailed Kite, 6; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 28; Red-shouldered Hawk, 1; Golden Eagle, 2; Marsh Hawk, 1; Sparrow Hawk, 35; California Quail, 92; Ring-necked Pheasant, 3; Am. Coot, 963; Killdeer, 512; Black-bellied Plover, 475; Wilson's Snipe, 18; Long-billed Curlew, 17; Hudsonian Curlew, 37; Spotted Sandpiper, 1; Willet, 494; Greater Yellow-legs, 9; Least Sandpiper, 185; Red-backed Sandpiper, 67; Dowitcher, 230; Western Sandpiper, 22; Am. Avocet, 61; sandpiper (sp.), 1450; Herring Gull, 10; California Gull, 5; Ring-billed Gull, 210; Bonaparte's Gull, 140; gull

(sp.), 11,500; Forster's Tern, 1; Mourning Dove, 377; Screech Owl, 1; Burrowing Owl, 15; Anna's Hummingbird, 15; Belted Kingfisher, 1; Red-shafted Flicker, 117; Acorn Woodpecker, 47; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 6; Nuttall's Woodpecker, 7; Western Kingbird, 1; Black Phoebe, 32; Say's Phoebe, 4; Horned Lark, 52; Steller's Jay, 28; Scrub Jay, 87; Yellow-billed Magpie, 21; Am. Crow, 191; Chestnut-backed Chickadee, 61; Plain Titmouse, 36; Common Bushtit, 132; White-breasted Nuthatch, 9; Wren-tit, 3; Am. Dipper, 1; Bewick's Wren, 11; Long-billed Marsh Wren, 1; Cañon Wren, 1; Mockingbird, 107; California Thrasher, 2; Am. Robin, 3840; Varied Thrush, 100; Hermit Thrush, 78; Western Bluebird, 35; Townsend's Solitaire, 1; Ruby-crowned Kinglet, 52; Water Pipit, 642; Cedar Waxwing, 283; Loggerhead Shrike, 36; Hutton's Vireo, 4; Orange-crowned Warbler, 1; Audubon's Warbler, 1037; House Sparrow, 633; Western Meadowlark, 464; Red-winged Blackbird, 210; Brewer's Blackbird, 4154; Purple Finch, 31; House Finch, 4045; Pine Siskin, 3; Am. Goldfinch, 344; Lesser Goldfinch, 791; Spotted Towhee, 18; Brown Towhee, 130; Savannah Sparrow, 280; Lark Sparrow, 20; Rufous-crowned Sparrow, 1; Oregon Junco, 247; White-crowned Sparrow, 1800; Golden-crowned Sparrow, 376; Fox Sparrow, 4; Song Sparrow, 94. **Total,** 114 species; about 39,489 individuals.—Grace Brubaker, N. C. and Eloise Damon, Helen and Pat Donaghey, Ernst Friedlander, Henry G. Hill, Elsie Hoeck, Will Luick, L. Richard Mewaldt, Malcolm Miller, Florence Morrow, Harriet Mundy, Esther Ollis, John Pantages, James A. Peterson, Anne Peterson, Les Sleeper, Martha and Howard Sleeper, Etta Waddington Smith, Emily and Elizabeth Smith, Angelina Snow, Herbert and Manette Wittgenstein, Albert J. Wool, Charles and Fanny Zwaal (Santa Clara Valley Audubon Society).

515. Walnut Creek, Calif. (7½-mile radius centering on Treat Lane and Clayton Road, including Suisun Bay area between Martinez and Pittsburg and north slope to summit of Mt. Diablo; pasture 5%, plowland 10%, suburbs 5%, deciduous farm woodlots 20%, mountain 30%, bayshore 20%, military reservation 10%).—Dec. 26; 7 a.m. to 4 p.m. Clear; temp. 32° to 54°; wind NW to W, 10-15 m.p.h. Twenty-three observers in 3 parties, including 4 yard watchers. Total party-hours, 163 (73 on foot, 90 by car); total party-miles, 1188 (90 on foot, 1098 by car). [For such party-hours and party-miles observers must have divided into a multitude of parties, not 3—Ed.] Pied-billed Grebe, 2; White Pelican, 13; Great Blue Heron, 3; Am. Egret, 3; Snowy Egret, 29; egret (sp.), 12; Black-crowned Night Heron, 4; goose (sp.), 60; Mallard, 3; Pintail, 32; Shoveller, 7; Ring-necked Duck, 2; Lesser Scaup, 6; Ruddy Duck, 22; duck (sp.), 180; Turkey Vulture, 3; White-tailed Kite, 6; Red-tailed Hawk, 23; Marsh Hawk, 12; Sparrow Hawk, 82; California Quail, 367; Ring-necked Pheasant, 5; Am. Coot, 400; Killdeer, 72; Wilson's Snipe, 60; Willet, 31; Greater Yellow-legs, 4; Lesser Yellow-legs, 1; Least Sandpiper, 80; Western Sandpiper, 15; Glaucous-winged Gull, 4; California Gull, 30; Ring-billed Gull, 125; Bonaparte's Gull, 31; gull (sp.), 600; Mourning Dove, 21; Barn Owl, 2; Screech Owl, 3; Burrowing Owl, 3; Short-eared Owl, 1; White-throated Swift, 2; Anna's Hummingbird, 2; Belted Kingfisher, 1; Red-shafted Flicker, 115; Acorn Woodpecker, 52; Lewis's Woodpecker, 4; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 2; Nuttall's Woodpecker, 7; Black Phoebe, 3; Say's Phoebe, 2; Horned Lark, 52; Tree Swallow, 40; Steller's Jay, 10; Scrub Jay, 78; Plain Titmouse, 59; Common Bushtit, 62; White-breasted Nuthatch, 35; Wren-tit, 1; Bewick's Wren, 5; Long-billed Marsh Wren, 20; Rock Wren, 1; Mockingbird, 23; California Thrasher, 4; Am. Robin, 310; Varied Thrush, 5; Hermit Thrush, 25; Western Bluebird, 14; Ruby-crowned Kinglet, 31; Water Pipit, 31; Loggerhead Shrike, 88; Audubon's Warbler, 31; Common Yellowthroat, 6; House Sparrow, 143; Western Meadowlark, 194; Red-winged Blackbird, 210; Brewer's Blackbird, 1500; Purple Finch, 1; House Finch, 158; Pine Siskin, 2; Am. Goldfinch, 152; Lesser Goldfinch, 424; Spotted Towhee, 14; Brown Towhee, 49; Savannah Sparrow, 27; Oregon Junco, 234; Chipping Sparrow, 2; White-crowned Sparrow, 350; Golden-crowned Sparrow, 100; Fox Sparrow, 3; Lincoln's Sparrow, 2; Song Sparrow, 23. **Total,** 90 species; about 7069 individuals.—Olive R. Adams, William C. Adams (compiler), Betty Adamson, Harry Adamson, Richard Beitzel, Violet Beitzel, James H. Hampton, Wilma G. Hampton, Evelyn B. Mann, Victor L. Mann, Mrs. J. C. McGeehon, Elizabeth O'Meara, Paul Opler, Mrs. Pauline Opler, Isadore Perlman, Judy Perlman, Bob Perry, Cecil J. Smith, Dave Smith, Marye C. Smith, Beth Snyder, Norma Warner, Bev Wilder.

516. Yosemite National Park, Calif. (15-mile diameter in canyon of Merced River, including Yosemite Valley; 2000 to 4000 ft.; lake shore 1%, swamp 2%, semi-open hille 21%, meadow 12%, river banks 30%, coniferous forests 34%).—Dec. 29; 7 a.m. to 4:30 p.m. Clear; temp. 25° to 68°; no wind; small amounts of snow in shade and water frozen in shallow areas at high elevations. Fifteen observers in 4 parties. Total party-hours, 38 (35 on foot, 3 by car); total party-miles, 45 (23 on foot, 22 by car). Great Blue Heron, 1; Cooper's Hawk, 3; Red-tailed Hawk, 8; Golden Eagle, 3; Sparrow Hawk, 2; Mountain Quail, 6; Band-tailed Pigeon, 414; Mourning Dove, 3; Pygmy Owl, 1; White-throated Swift, 58; Anna's Hummingbird, 2; Belted Kingfisher, 7; Red-shafted Flicker, 13; Acorn Woodpecker, 74; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 5; Downy Woodpecker, 2; Nuttall's Woodpecker, 1; White-headed Woodpecker, 5; Black Phoebe, 8; Say's Phoebe, 1; Steller's Jay, 246; Scrub Jay, 38; Mountain Chickadee, 80; Plain Titmouse, 16; Common Bushtit, 40; White-breasted Nuthatch, 19; Red-breasted Nuthatch, 24; Brown Creeper, 17; Wren-tit, 10; Am. Dipper, 20; House Wren, 1; Winter Wren, 1; Bewick's Wren, 3; Cañon Wren, 16; Am. Robin, 53; Varied Thrush, 86; Hermit Thrush, 11; Western Bluebird, 83; Townsend's Solitaire, 3;

Golden-crowned Kinglet, 371; Ruby-crowned Kinglet, 23; Audubon's Warbler, 4; House Sparrow, 16; Purple Finch, 53; House Finch, 274; Pine Siskin, 25; Lesser Goldfinch, 13; Spotted Towhee, 80; Brown Towhee, 174; Lark Sparrow, 300+; Rufous-crowned Sparrow, 2; Slate-colored Junco, 3; Oregon Junco, 170; White-crowned Sparrow, 7; Golden-crowned Sparrow, 94; Fox Sparrow, 4; Lincoln's Sparrow, 1; Song Sparrow, 4. **Total,** 59 species; about 3006 individuals.—Mignon Augsbury, Erma Fitzpatrick, W. J. Fitzpatrick (compiler), Norman Herkenham, Douglass Hubbard, Sr., Douglass Hubbard, Jr., Rev. and Mrs. Owen Hutchison, Vergena Koller, Bruce McHenry, Dana Morgenson, Marguerite Radigan, Ginnie Ann Sturm, Mary Lou Sturm, Mary Curry Tresidder.

Species Numbers in the Fifty-fifth Christmas Bird Count

by Stephen W. Simon

A total number of 464 species were reported from the 1954 Christmas Bird Counts. This is 5 species less than last year, but it is higher than the other counts back as far as 1947, when the summary was started. The White-bellied Booby, Mexican Goshawk, Franklin's Grouse, Mangrove Cuckoo, Prothonotary Warbler and Hooded Warbler are probable additions to the count list.

Manitoba and Nevada did not report a census this year. Species that the Editor marked "no details" are left out of this summary. States without one high count to their credit are Vermont, Pennsylvania, Kentucky, Mississippi, Minnesota, Iowa and Kansas.

High counts were reported from 149 censuses. California led the states with 109 counts on this list, followed by Florida with 80, Texas with 70, Louisiana with 20, Arizona with 19 and Maryland with 16. Laguna Atascosa Refuge, Texas, contributed 25 species to this list; Coot Bay, Florida, 22; Santa Ana, Texas, 18; Sacramento, California, 18; Monroe, Florida, 17; and San Diego, California, 15.

The high count remained the same as last year for 22 species, and for 198 species it was higher than last year. Reelfoot Lake, Tenn., reported 4,000,000 Red-winged Blackbirds for the highest single count. This is three times the number of Red-wings reported last year from all the counts. A total of 277 high counts were recorded from areas different from the previous year.

Common Loon, 89 (*R. I.*, Newport Co.); Arctic Loon, 36 (*Calif.*, Monterey Peninsula); Red-throated Loon, 189 (*N. J.*, Cape May); Red-necked Grebe, 133 (*Me.*, York); Horned Grebe, 671 (*Md.*, St. Michaels); Eared Grebe, 281 (*Calif.*, San Diego); Least Grebe, 6 (*Tex.*, Laguna Atascosa); Western Grebe, 4921 (*Calif.*, Orange Co., central); Pied-billed Grebe, 184 (*La.*, St. Francisville); Sooty Shearwater, 1 (*Calif.*, Monterey Peninsula); White Pelican, 574 (*Calif.*, San Jose); Brown Pelican, 877 (*Fla.*, Coot Bay); Blue-faced Booby, 2 (*Fla.*, Fort Jefferson); White-bellied Booby, 8 (*Fla.*, Fort Jefferson); Gannet, 95 (*N. Y.*, Ocean off N. Y.); European Cormorant, 479 (*Mass.*, Cape Ann); Double-crested Cormorant, 1781 (*Calif.*, San Diego); Olivaceous Cormorant, 68 (*Tex.*, Laguna Atascosa); Brandt's Cormorant, 830 (*Calif.*, San Francisco); Pelagic Cormorant, 47 (*Calif.*, Monterey Peninsula); Water-turkey, 49 (*Fla.*, St. Marks); Man-o'-war Bird, 14 (*Fla.*, Fort Jefferson and Key West).

Great White Heron, 315 (*Fla.*, Coot Bay); Great Blue Heron, 200 (*Okla.*, Salt Plains); Am. Egret, 748 (*Fla.*, Monroe); Snowy Egret, 610 (*Fla.*, Cocoa); Reddish Egret, 28 (*Tex.*, Laguna Atascosa); Louisiana Heron, 344 (*Fla.*, Cocoa); Little Blue Heron, 348 (*Fla.*, Loxahatchee); Green Heron, 63 (*Fla.*, Coot Bay); Black-crowned Night Heron, 650 (*Calif.*, Sacramento Refuge); Yellow-crowned Night Heron, 32 (*Fla.*, St. Petersburg); Am. Bittern, 20 (*Fla.*, Monroe); Least Bittern, 3 (*Fla.*, Cocoa); Wood Ibis, 364 (*Fla.*, Monroe); Glossy Ibis, 6 (*Fla.*, Cocoa); White-faced Ibis, 2063 (*La.*, Sabine); White Ibis, 2725 (*Fla.*, Monroe); Roseate Spoonbill, 69 (*Fla.*, Coot Bay); Am. Flamingo, 2 (*Fla.*, Coot Bay).

Mute Swan, 116 (*N. Y.*, Central Suffolk Co.); Whistling Swan, 6056 (*Md.*, St. Michaels); Canada Goose, 42,750 (*Ill.*, Crab Orchard); Am. Brant, 60,000 (*N. J.*, Oceanville); Black Brant, 2076 (*Calif.*, San Diego); White-fronted Goose, 10,000 (*Calif.*, Sacramento Refuge); Snow Goose, 135,000 (*Calif.*, Gray Lodge); Blue Goose, 22,000 (*La.*, Sabine); Ross's Goose, 2500 (*Calif.*, Gray Lodge); Mallard, 250,000 (*Ind.*, Hovey Lake); Black Duck,

32,000 (*Del.*, Bombay Hook); Mottled Duck, 94 (*Fla.*, Myakka River); Gadwall, 3212 (*Tex.*, Houston); European Widgeon, 3 (*N. Y.*, Manhattan Island); Am. Widgeon, 130,000 (*Calif.*, Sacramento Refuge); Pintail, 432,500 (*Calif.*, Gray Lodge); European Teal, 1 (*N. Y.*, Southern Nassau Co.; *Md.*, Ocean City); Green-winged Teal, 45,000 (*Calif.*, Sacramento Refuge); Blue-winged Teal, 197 (*Fla.*, Coot Bay); Cinnamon Teal, 100 (*Calif.*, Sacramento Refuge); Shoveller, 8000 (*Calif.*, Gray Lodge and Sacramento Refuge); Wood Duck, 300 (*Va.*, Hopewell); Redhead, 210,768 (*Tex.*, Laguna Atascosa); Ring-necked Duck, 1500 (*Tenn.*, Johnsonville); Canvas-back, 12,151 (*N. Y.*, Buffalo); Greater Scaup, 32,550 (*N. Y.*, Western Long Island); Lesser Scaup, 30,000 (*Fla.*, Cocoa); Am. Golden-eye, 2629 (*Mich.*, Muskegon); Barrow's Golden-eye, 6 (*Me.*, Mt. Desert Is.); Buffle-head, 4187 (*Md.*, Ocean City); Old-squaw, 3000 (*Ind.*, Michigan City); Harlequin Duck, 3 (*N. Y.*, Montauk, 2nd census); Common Eider, 33,164 (*Me.*, Mt. Desert Is.); King Eider, 2 (*N. Y.*, Southern Nassau Co., L. I.; *N. J.*, Barnegat); White-winged Scoter, 4696 (*N. Y.*, Southern Nassau Co., L. I.); Surf Scoter, 7376 (*Calif.*, San Diego); Am. Scoter, 2368 (*Md.*, Ocean City); Ruddy Duck, 14,190 (*Md.*, Annapolis); Hooded Merganser, 3000 (*Tenn.*, Johnsonville); Am. Merganser, 12,000 (*Okla.*, Salt Plains); Red-breasted Merganser, 2798 (*Ill.*, Chicago).

Turkey Vulture, 883 (*Md.*, Ocean City); Black Vulture, 225 (*Tex.*, Eagle Pass); White-tailed Kite, 15 (*Calif.*, Orange Co., central, and Sacramento); Goshawk, 2 (*N. J.*, Cape May; *Nebr.*, Lincoln, rural); Mexican Goshawk, 1 (*Tex.*, Eagle Pass); Sharp-shinned Hawk, 15 (*Tex.*, Houston); Cooper's Hawk, 12 (*Ohio*, Cincinnati); Red-tailed Hawk, 120 (*Calif.*, Sacramento); Harlan's Hawk, 4 (*Tex.*, Fort Worth); Red-shouldered Hawk, 48 (*Fla.*, Monroe); Broad-winged Hawk, 11 (*Fla.*, Lower Keys); Swainson's Hawk, 3 (*Tex.*, Muleshoe); White-tailed Hawk, 13 (*Tex.*, Laguna Atascosa); Short-tailed Hawk, 3 (*Fla.*, Coot Bay); Rough-legged Hawk, 13 (*S. Dak.*, Lacreek); Ferruginous Hawk, 8 (*Colo.*, Prowers-Bent Counties); Harris's Hawk, 65 (*Tex.*, Eagle Pass); Golden Eagle, 10 (*Okla.*, Salt Plains); Bald Eagle, 44 (*Okla.*, Salt Plains); Marsh Hawk, 173 (*Tex.*, Laguna Atascosa); Osprey, 51 (*Fla.*, Coot Bay); Audubon's Caracara, 26 (*Tex.*, Laguna Atascosa); Gyrfalcon, 1 (*Me.*, Webster Corner); Prairie Falcon, 3 (*Okla.*, Stillwater; *Utah*, Salt Lake City; *Calif.*, Orange Co., central); Peregrine Falcon, 14 (*Tex.*, Laguna Atascosa); Pigeon Hawk, 5 (*Fla.*, Coot Bay; *Idaho*, Nampa); Sparrow Hawk, 390 (*Calif.*, Sacramento).

Chachalaca, 12 (*Tex.*, Santa Ana); Blue Grouse, 7 (*Utah*, Salt Lake City); Franklin's Grouse, 1 (*Mont.*, Libby); Ruffed Grouse, 43 (*Me.*, Webster Corner); Rock Ptarmigan, 29 (*Alaska*, College); Greater Prairie Chicken, 44 (*Nebr.*, Stapleton); Sharp-tailed Grouse, 210 (*N. Dak.*, Arrowwood); Sage Hen, 16 (*Wyo.*, Casper); European Partridge, 35 (*N. Dak.*, Des Lacs); Bob-white, 278 (*Tex.*, Laguna Atascosa); Scaled Quail, 264 (*N. Mex.*, Roswell); California Quail, 1082 (*Utah*, Salt Lake City); Gambel's Quail, 340 (*N. Mex.*, Bosque del Apache); Mountain Quail, 13 (*Oreg.*, Eugene); Ring-necked Pheasant, 1450 (*Mont.*, Malta); Turkey, 146 (*Fla.*, Myakka River); Sandhill Crane, 15,000 (*Tex.*, Muleshoe); Limpkin, 27 (*Fla.*, Monroe); King Rail, 40 (*Fla.*, Cocoa); Clapper Rail, 46 (*N. C.*, Wilmington); Virginia Rail, 27 (*Md.*, Southern Dorchester Co.); Sora, 52 (*Fla.*, Cocoa); Purple Gallinule, 2 (*Fla.*, Loxahatchee); Florida Gallinule, 59 (*Fla.*, Monroe); Am. Coot, 20,150 (*Va.*, Back Bay).

Am. Oyster-catcher, 204 (*S. C.*, Charleston); Black Oyster-catcher, 9 (*Calif.*, Monterey Peninsula); Piping Plover, 15 (*Fla.*, Cocoa); Snowy Plover, 49 (*Calif.*, Orange Co., central); Ringed Plover, 125 (*Fla.*, St. Petersburg); Wilson's Plover, 67 (*Fla.*, Coot Bay); Mountain Plover, 257 (*Calif.*, Orange Co., central); Killdeer, 5792 (*Calif.*, Sacramento); Am. Golden Plover, 1 (*Calif.*, San Diego); Black-bellied Plover, 600 (*Calif.*, Oakland); Surf-bird, 32 (*Calif.*, Los Angeles); Ruddy Turnstone, 184 (*Fla.*, Cocoa); Black Turnstone, 170 (*Calif.*, San Diego); Am. Woodcock, 8 (*N. J.*, Cape May); Wilson's Snipe, 195 (*Ark.*, Lonoke); Long-billed Curlew, 534 (*Tex.*, Laguna Atascosa); Hudsonian Curlew, 37 (*Calif.*, San Jose); Spotted Sandpiper, 19 (*Fla.*, Coot Bay); Wandering Tattler, 2 (*Calif.*, Orange Co., central); Willet, 2698 (*Calif.*, Orange Co., central); Greater Yellow-legs, 109 (*Calif.*, San Diego); Lesser Yellow-legs, 255 (*Fla.*, Coot Bay); Red Knot, 101 (*Calif.*, San Diego); Purple Sandpiper, 282 (*Mass.*, Cape Ann); Pectoral Sandpiper, 1 (*Fla.*, St. Petersburg); Least Sandpiper, 1524 (*Calif.*, Orange Co., central); Red-backed Sandpiper, 4940 (*N. J.*, Cape May); Dowitcher, 1021 (*Calif.*, Lodi); Stilt Sandpiper, 2 (*Tex.*, Laguna Atascosa); Semipalmated Sandpiper, 1320 (*Fla.*, Coot Bay); Western Sandpiper, 10,300 (*Tex.*, Houston); Marbled Godwit, 1099 (*Calif.*, San Diego); Sanderling, 1550 (*Calif.*, Oakland); Am. Avocet, 1650 (*Calif.*, Oakland); Black-necked Stilt, 20 (*Calif.*, Salinas); Red Phalarope, 25 (*Calif.*, San Diego); Northern Phalarope, 8 (*Calif.*, San Diego); Parasitic Jaeger, 8 (*Calif.*, San Diego).

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House Sparrow, 14,016 (*Utah*, Salt Lake City); Eastern Meadowlark, 2224 (*Md.*, Ocean City); Western Meadowlark, 5373 (*Calif.*, Sacramento); Yellow-headed Blackbird, 20,222 (*Ariz.*, Yuma); Red-winged Blackbird, 4,000,000 (*Tenn.*, Reelfoot); Tri-colored Blackbird, 130 (*Calif.*, Salinas); Audubon's Oriole, 7 (*Tex.*, Santa Ana); Alta Mira Oriole, 1 (*Tex.*, Santa Ana); Hooded Oriole, 4 (*Calif.*, San Diego); Scott's Oriole, 1 (*Calif.*, Pauma Valley); Orchard Oriole, 1 (*Tex.*, Houston); Baltimore Oriole, 2 (*N. J.*, Hackensack; *Conn.*, Wesport); Rusty Blackbird, 5088 (*Tex.*, Fort Worth); Brewer's Blackbird, 30,000 (*Calif.*, Sacramento Refuge); Boat-tailed Grackle, 42,405 (*Tex.*, Laguna Atascosa); Purple Grackle, 800,000 (*Tenn.*, Reelfoot); Brown-headed Cowbird, 100,013 (*Tex.*, Fort Worth); Scarlet Tanager, 1 (*Md.*, Annapolis).

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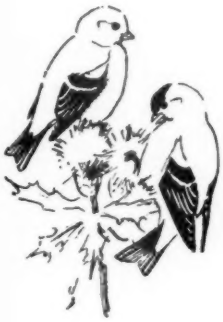
CORRIGENDA FOR VOLUME 8

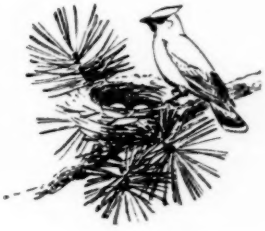
Vol. 8, p. 226 (Summary of Species Numbers and Highest Counts, 54th Christmas Bird Count issue). Add the Pink-footed Goose seen at Bombay Hook National Wildlife Refuge, Del., to species new to the continental Christmas Bird Count and to the list of highest counts.

Vol. 8, p. 228, line 55: "Glaucous Gull, 950" should be changed to read "Glaucous Gull, 38 (*Ont.*, Kingston, 12)."

Vol. 8, p. 228, line 56: "Glaucous-winged Gull, 10,447 (*Wash.*, Seattle, 6741)" should be changed to read "Glaucous-winged Gull, 11,359 (*Wash.*, Seattle, 6741)."



Are you planning to take a Breeding Bird Census this year? Copies of the leaflet, "Instructions for Making Bird-Population Studies may still be obtained for fifteen cents from 1130 Fifth Avenue, New York 28, N.Y.



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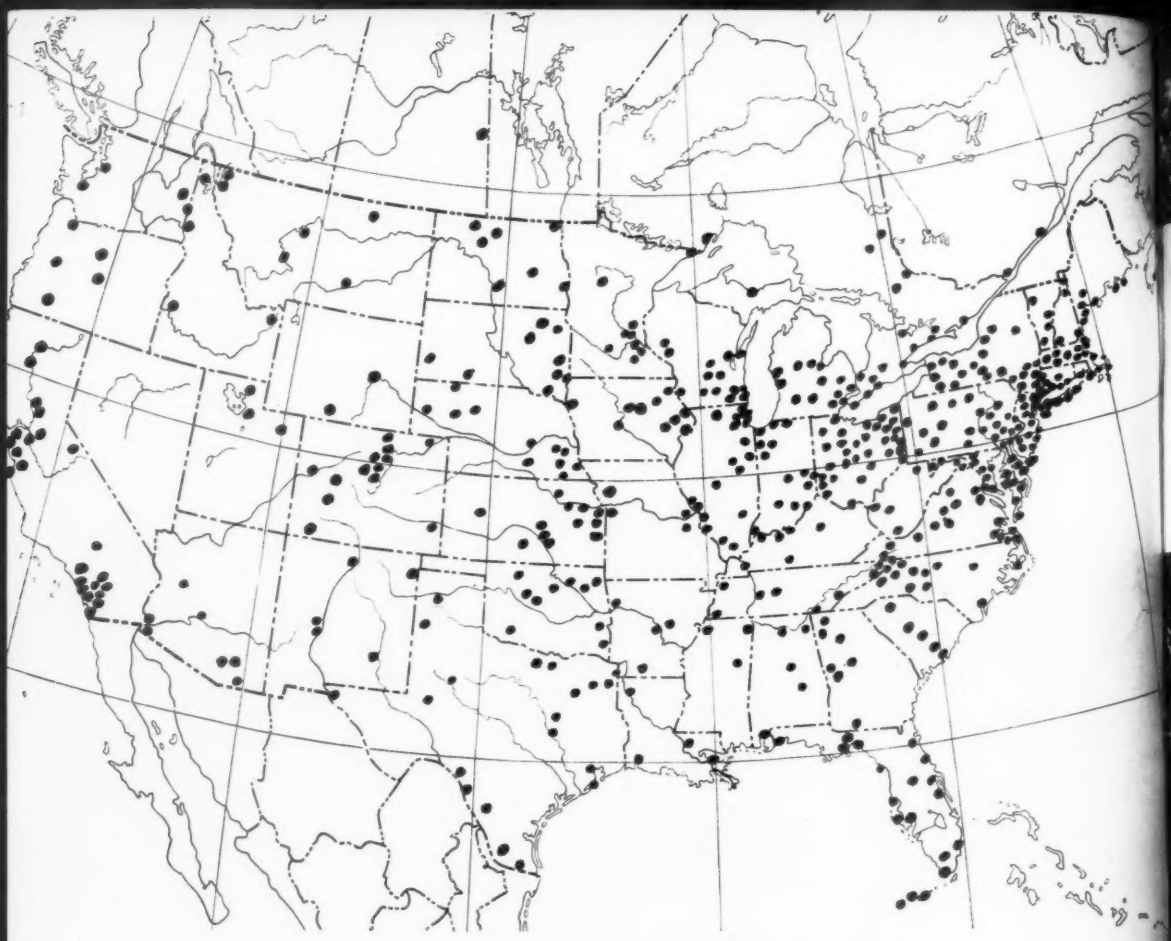

Distribution of the Fifty-fifth Christmas Bird Count

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